

FIG. 2

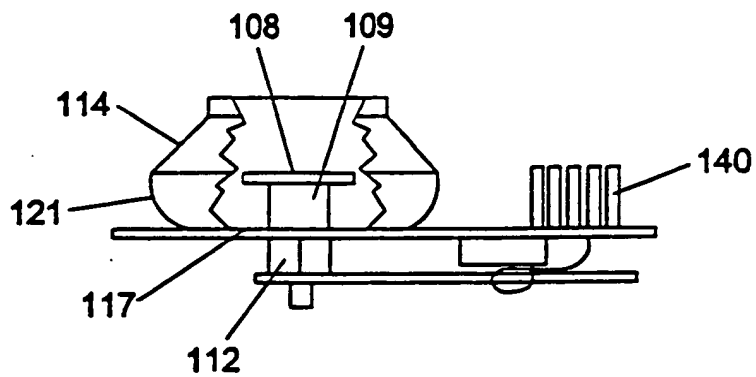


FIG. 3

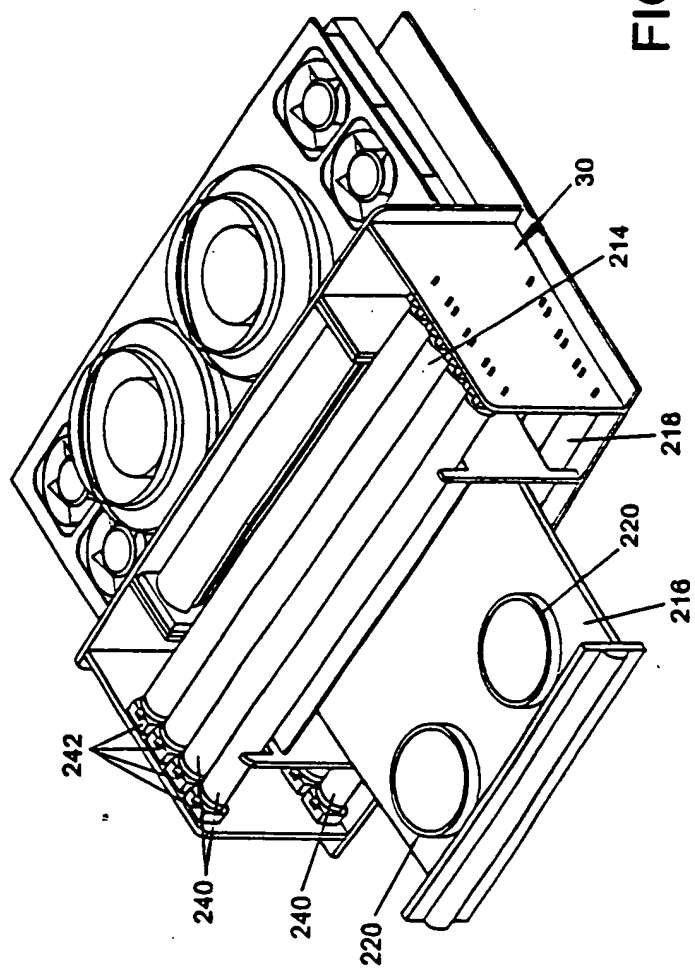


FIG. 4

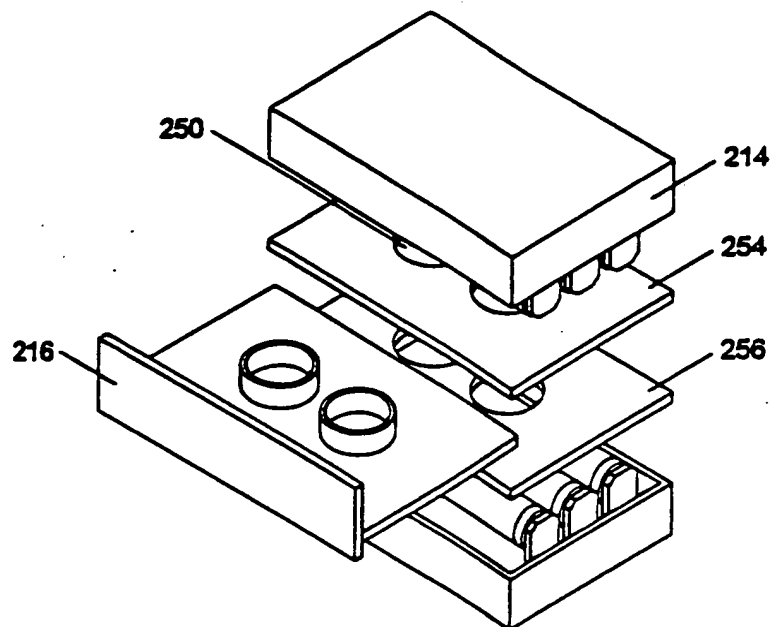


FIG. 5

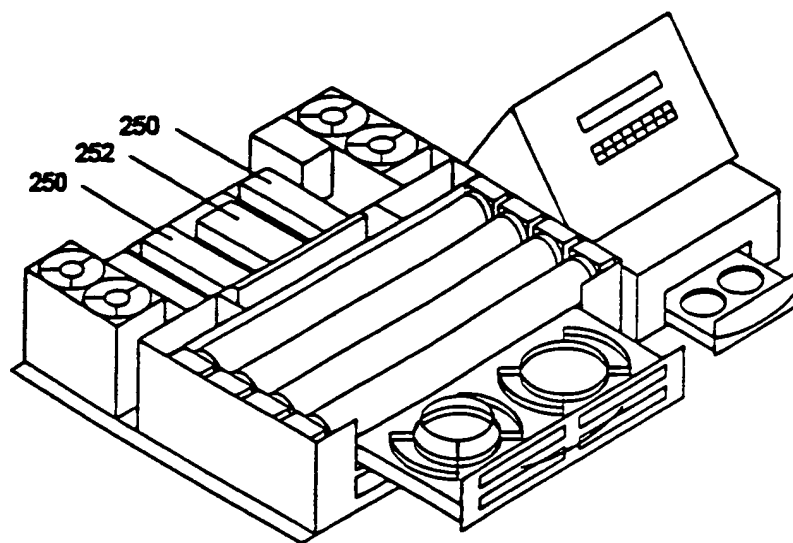


FIG. 6

FIG. 7 is a schematic diagram of a system 700. The system 700 includes a central component 712, which is a long horizontal rectangle. Above component 712 is a rectangular block 714. To the left of component 712 is a rectangular block 711. Below component 712 are two rectangular blocks, 716 on the left and 716 on the right. Dotted lines connect block 711 to component 712, block 714 to component 712, and block 716 (left) to component 712. Solid lines connect block 714 to component 712, and block 716 (right) to component 712. Two arrows, both labeled 718, point to the left and right ends of component 712, respectively. The diagram is set against a background with two large black circles at the top.

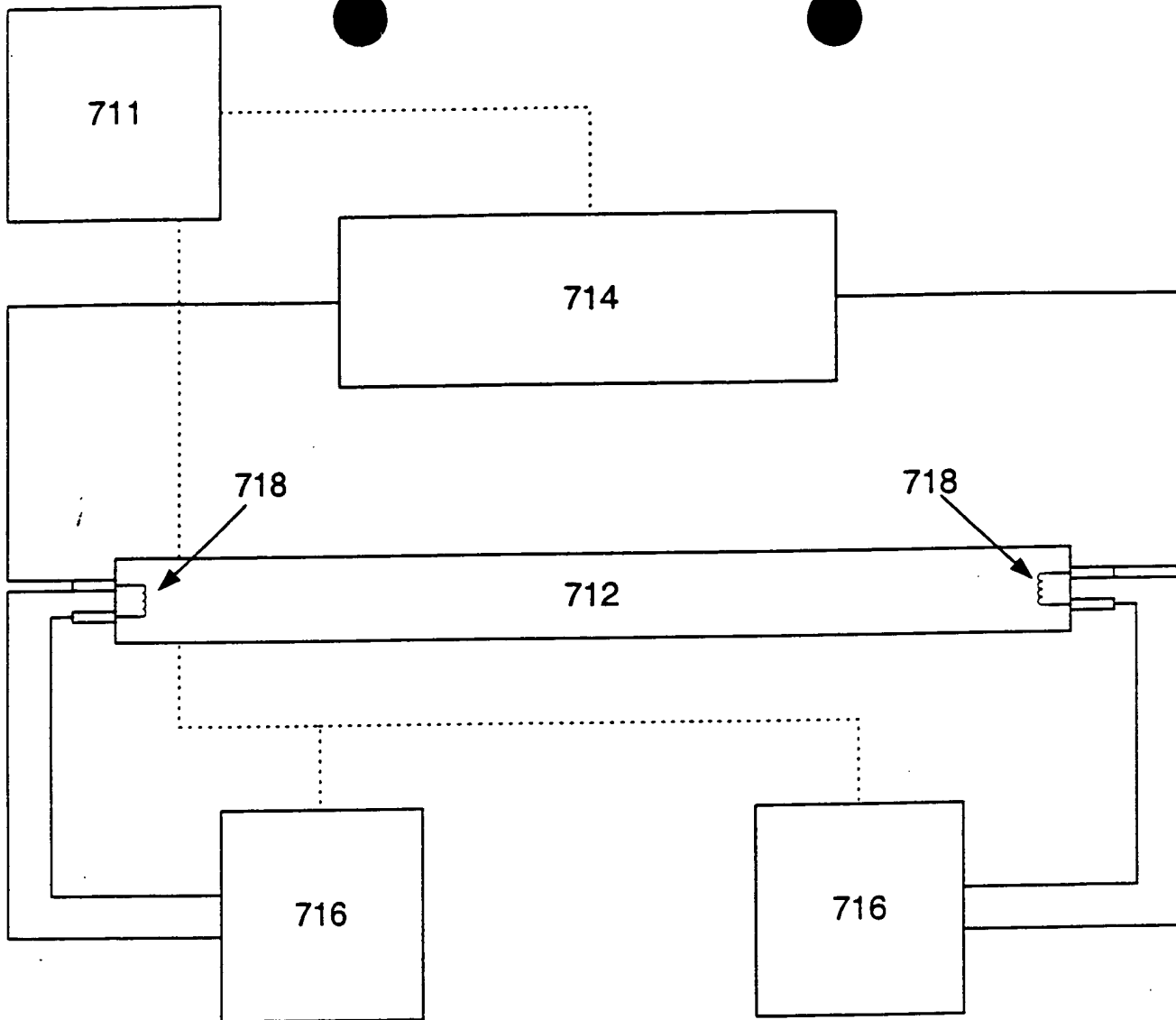


FIG. 7

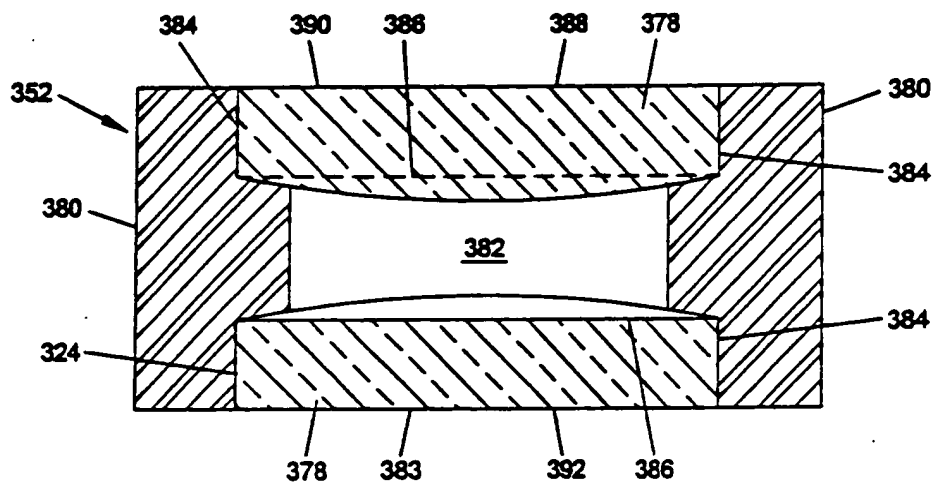


FIG. 8

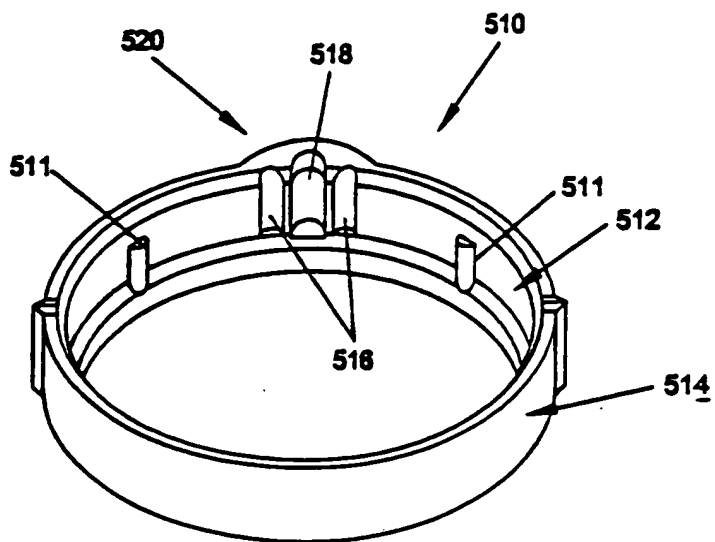


FIG. 9

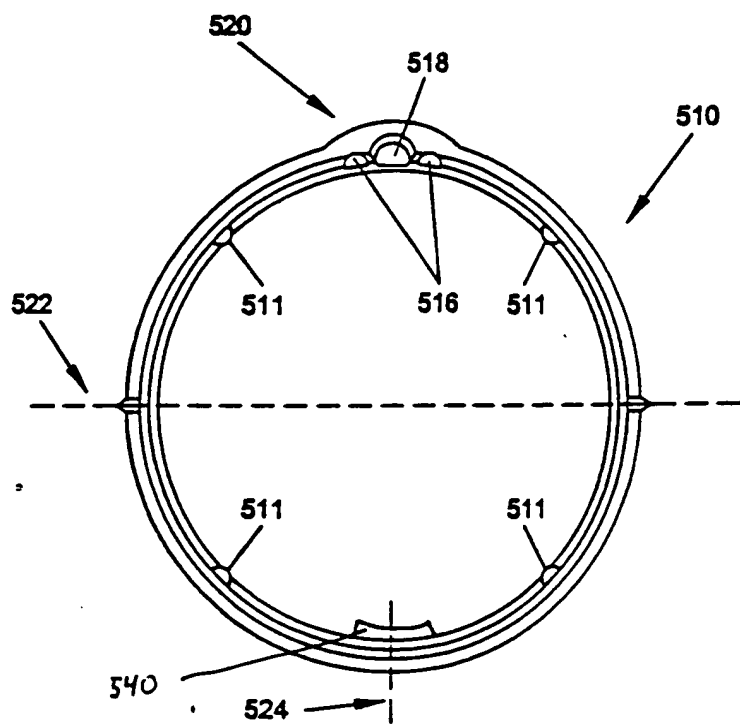


FIG. 10

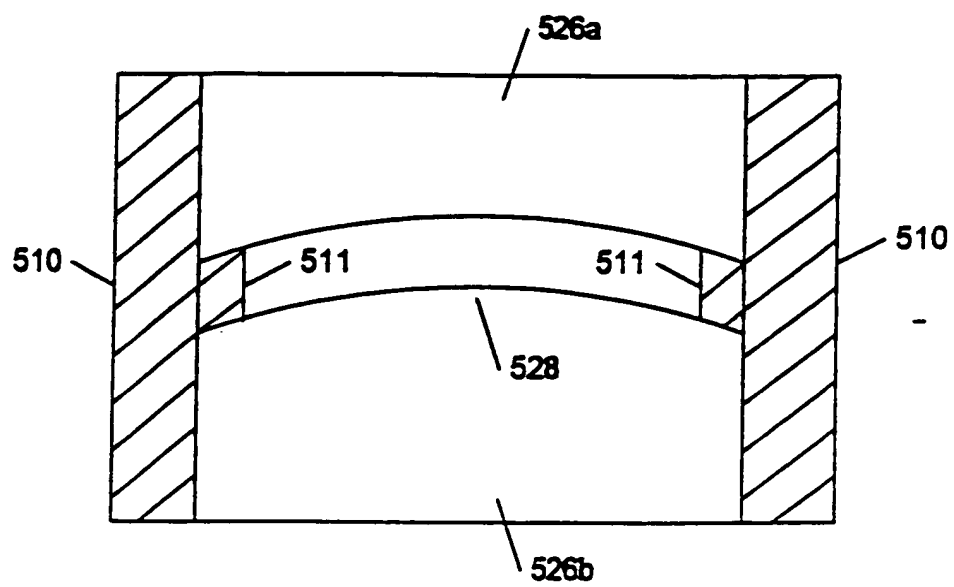


FIG. 11

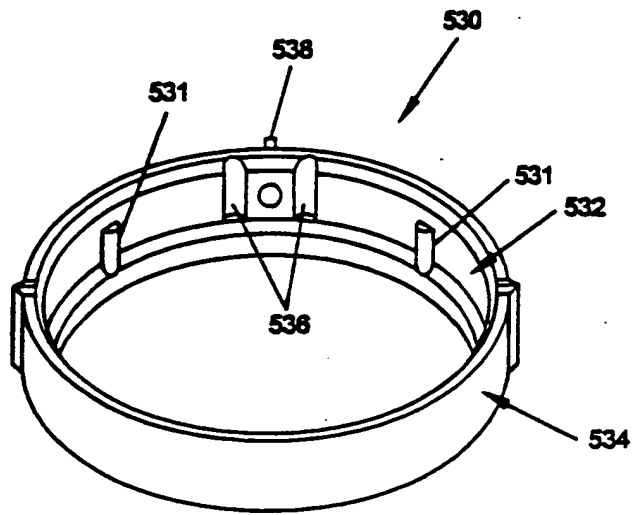


FIG. 12

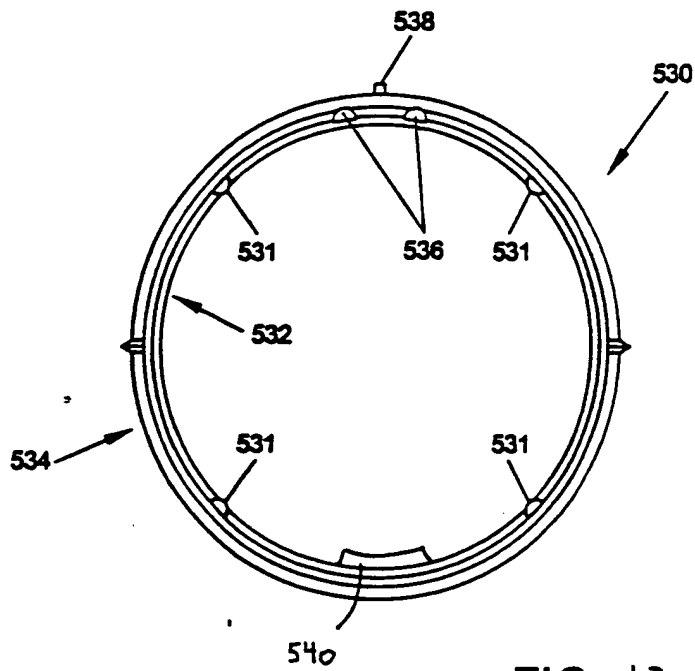


FIG. 13

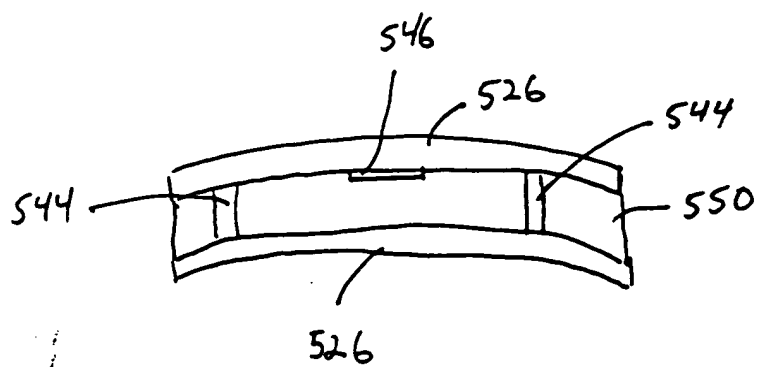


FIG. 14

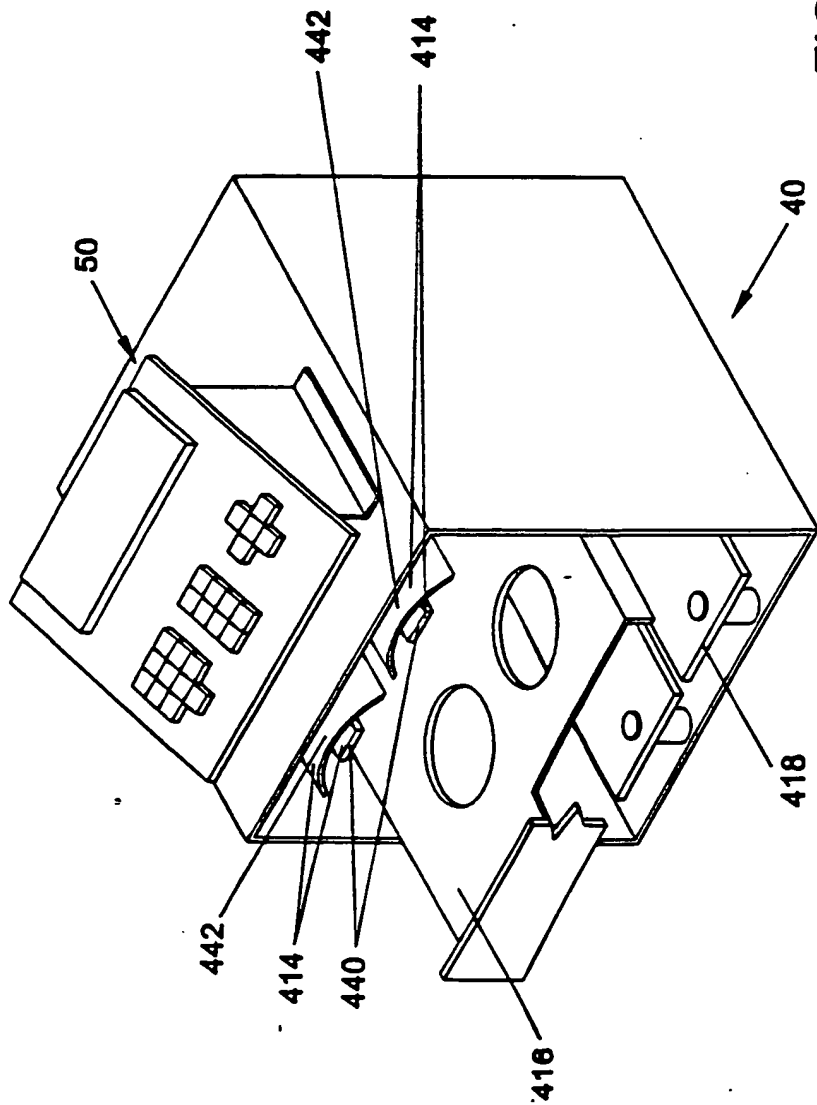


FIG. 15

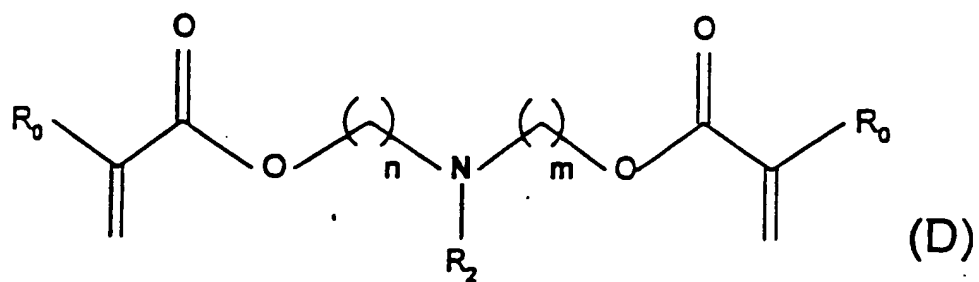
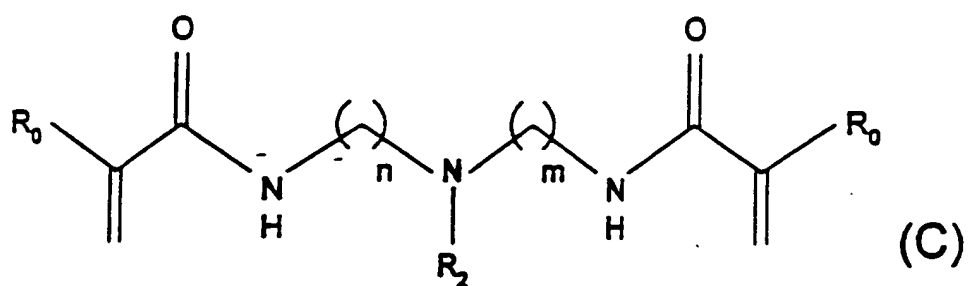
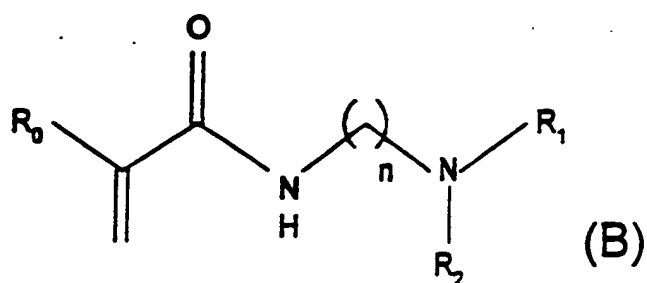
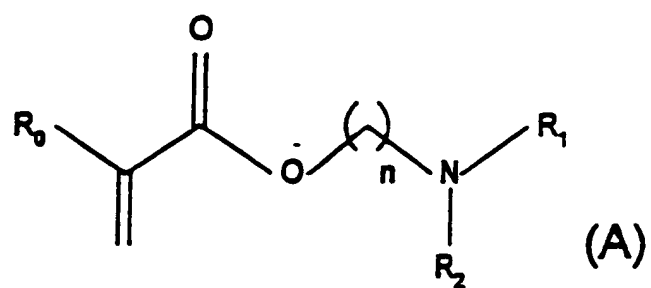


FIG. 16

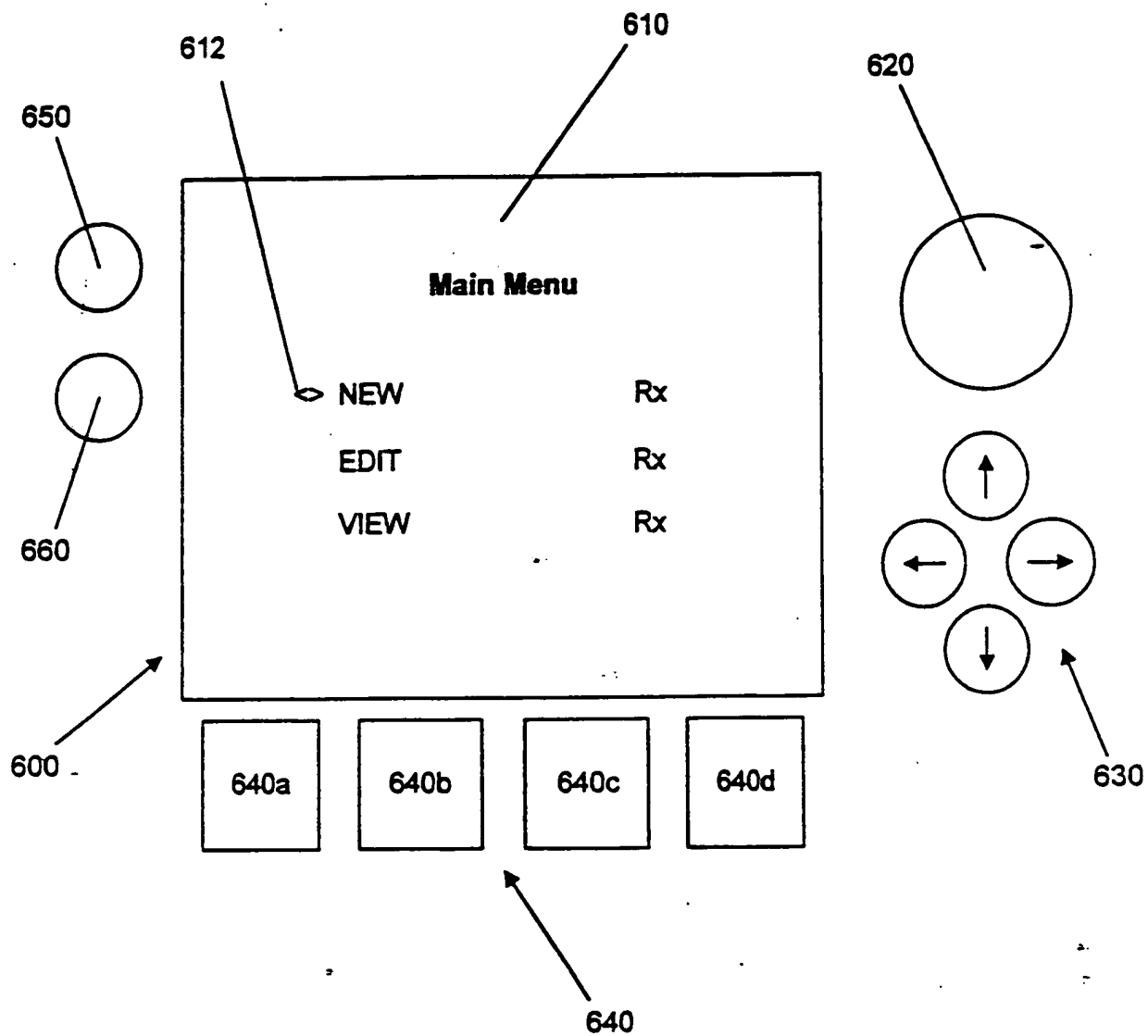


FIG. 17

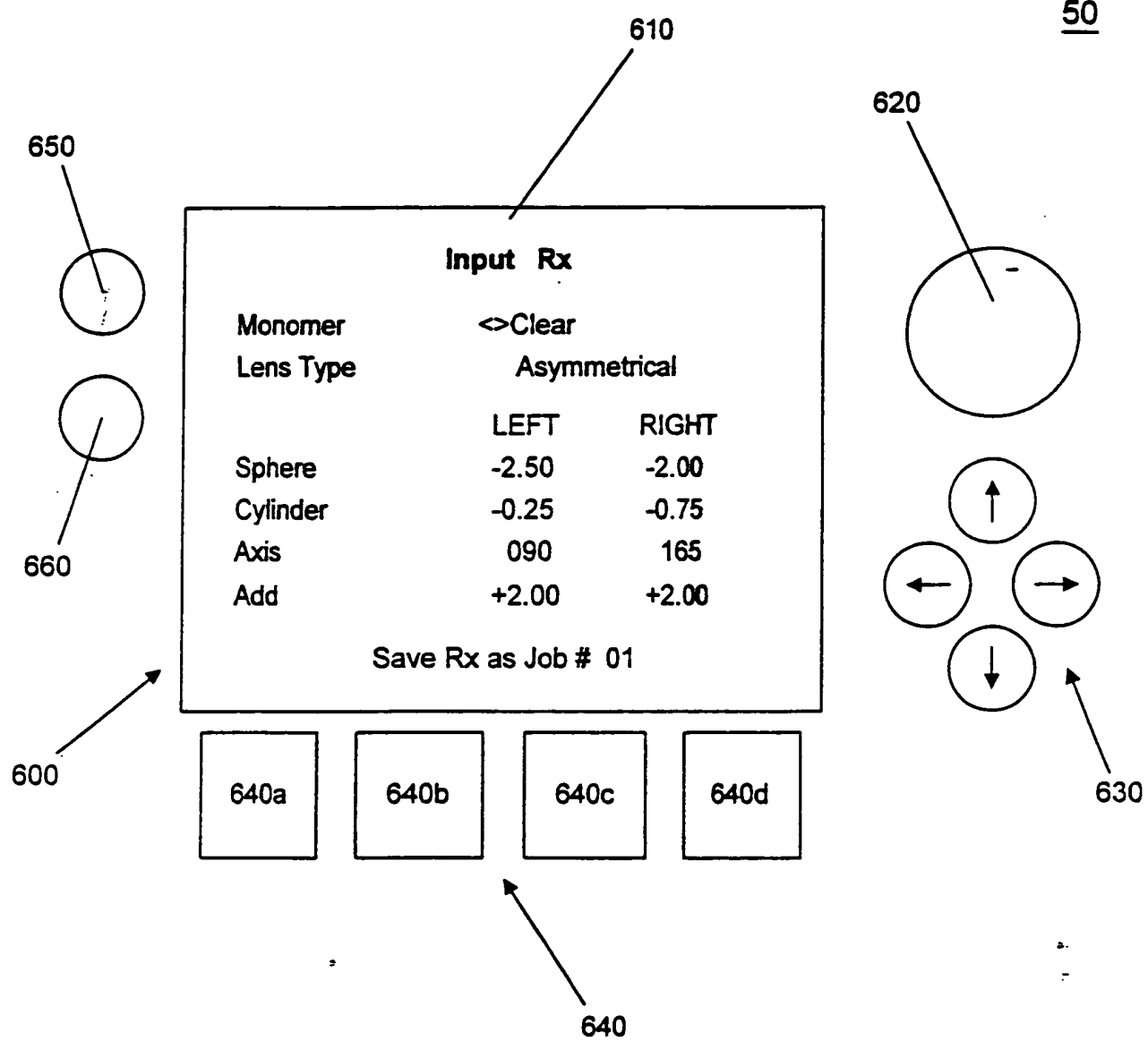


FIG. 18

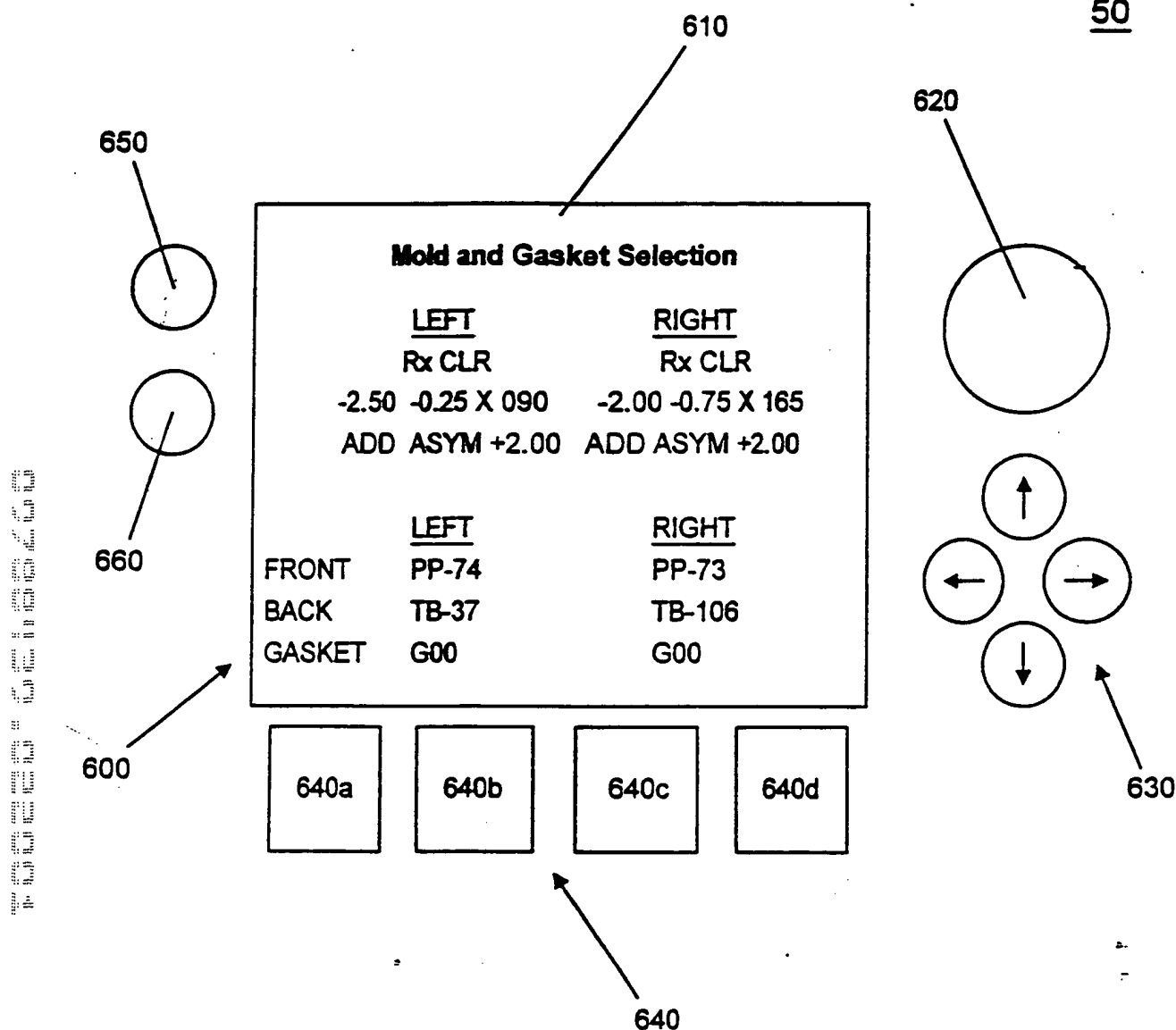
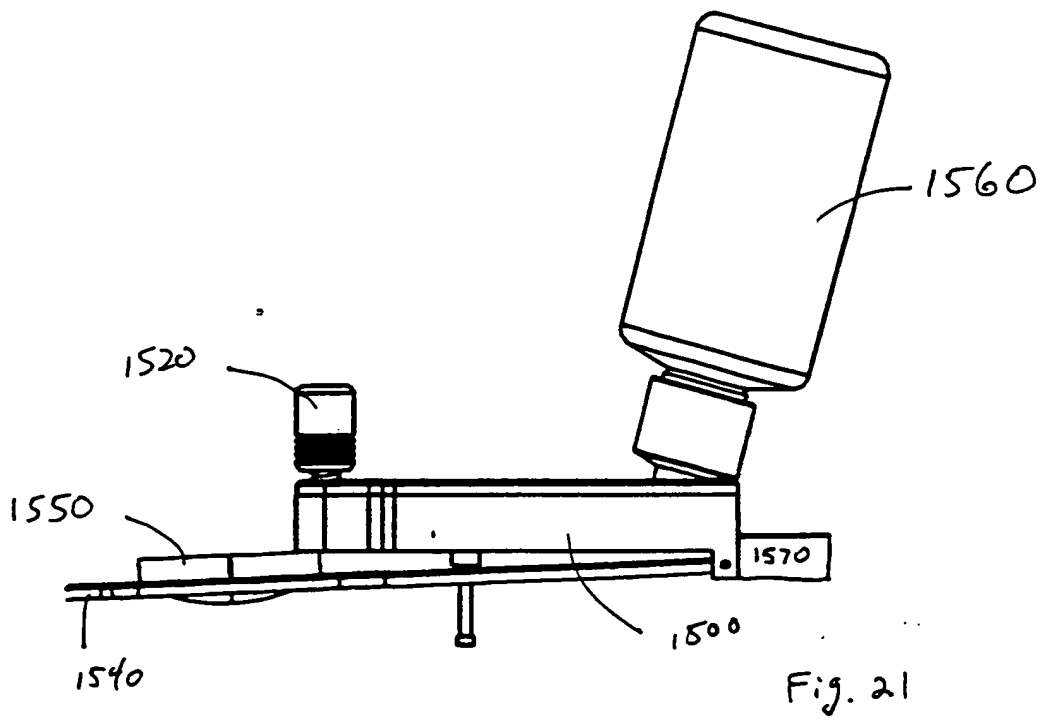
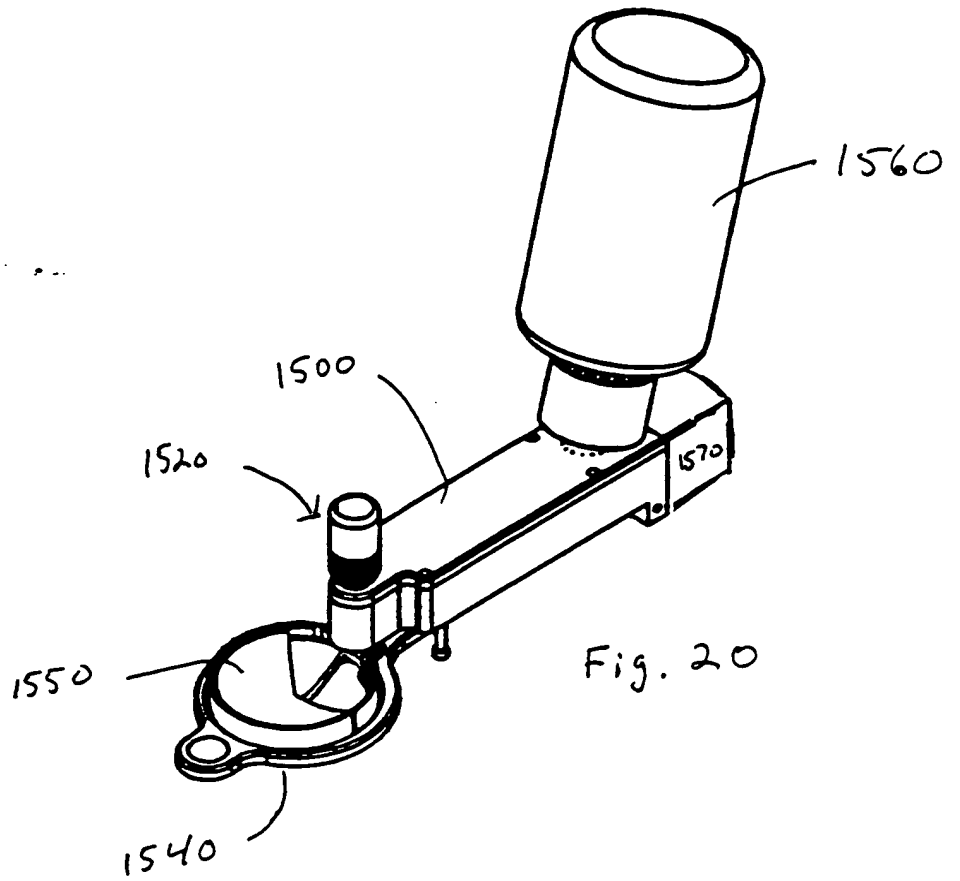
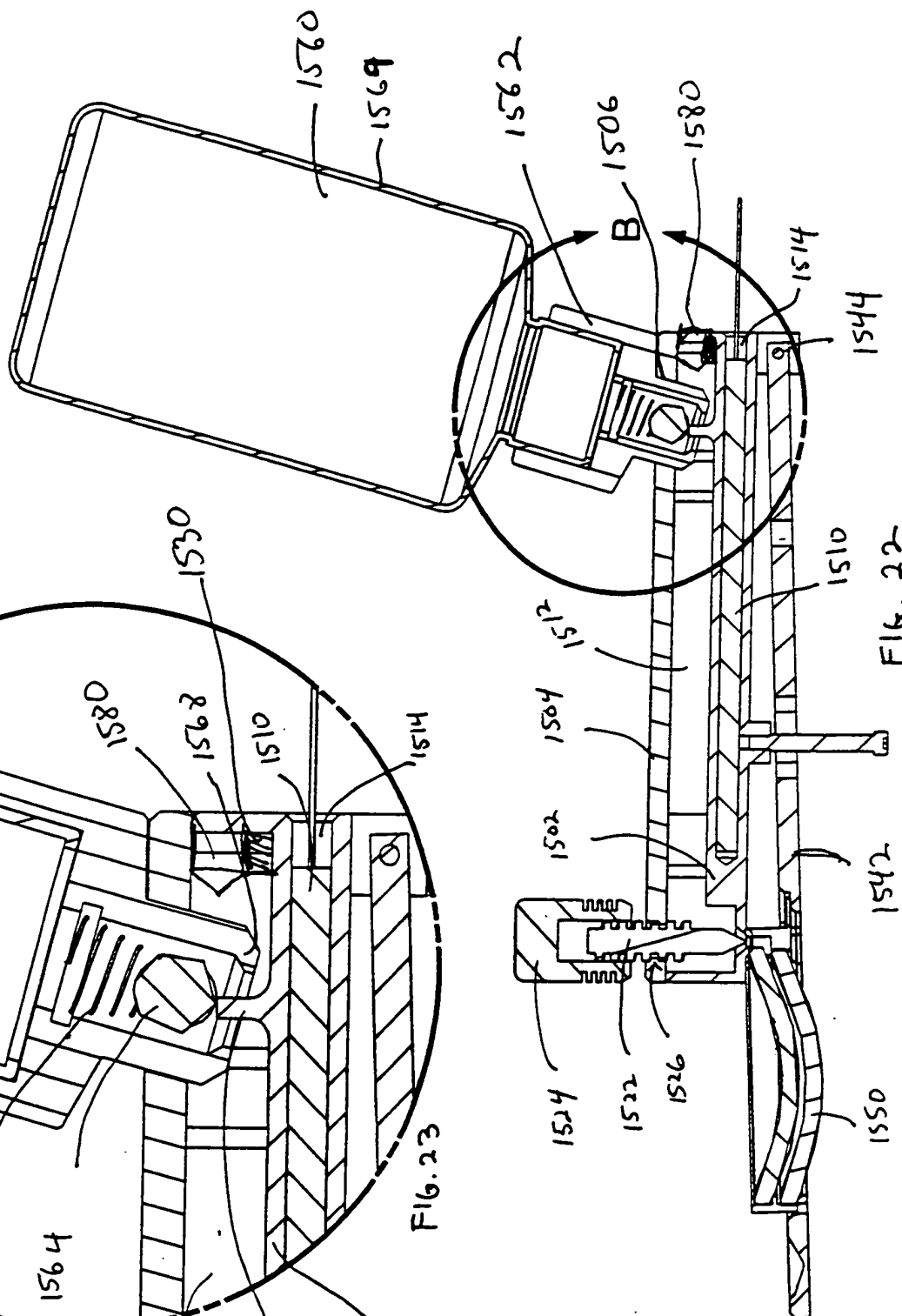


FIG. 19



[illegible]

Fig. 23



File. 22

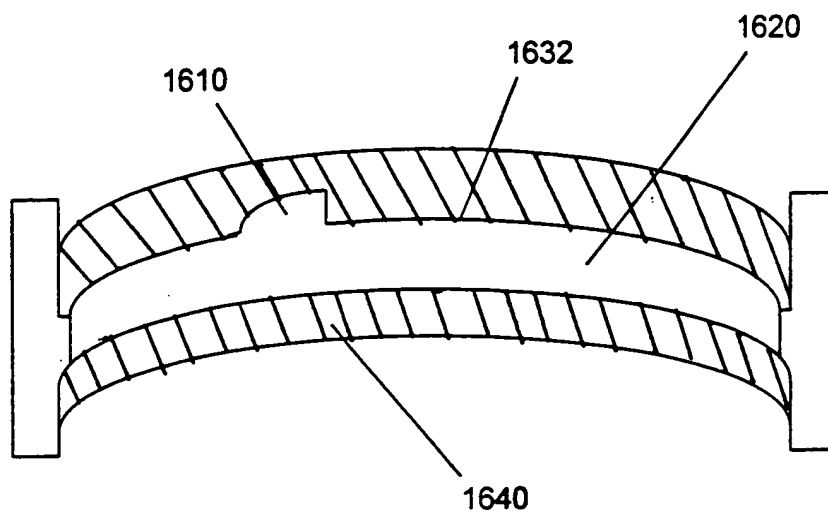


FIG. 24

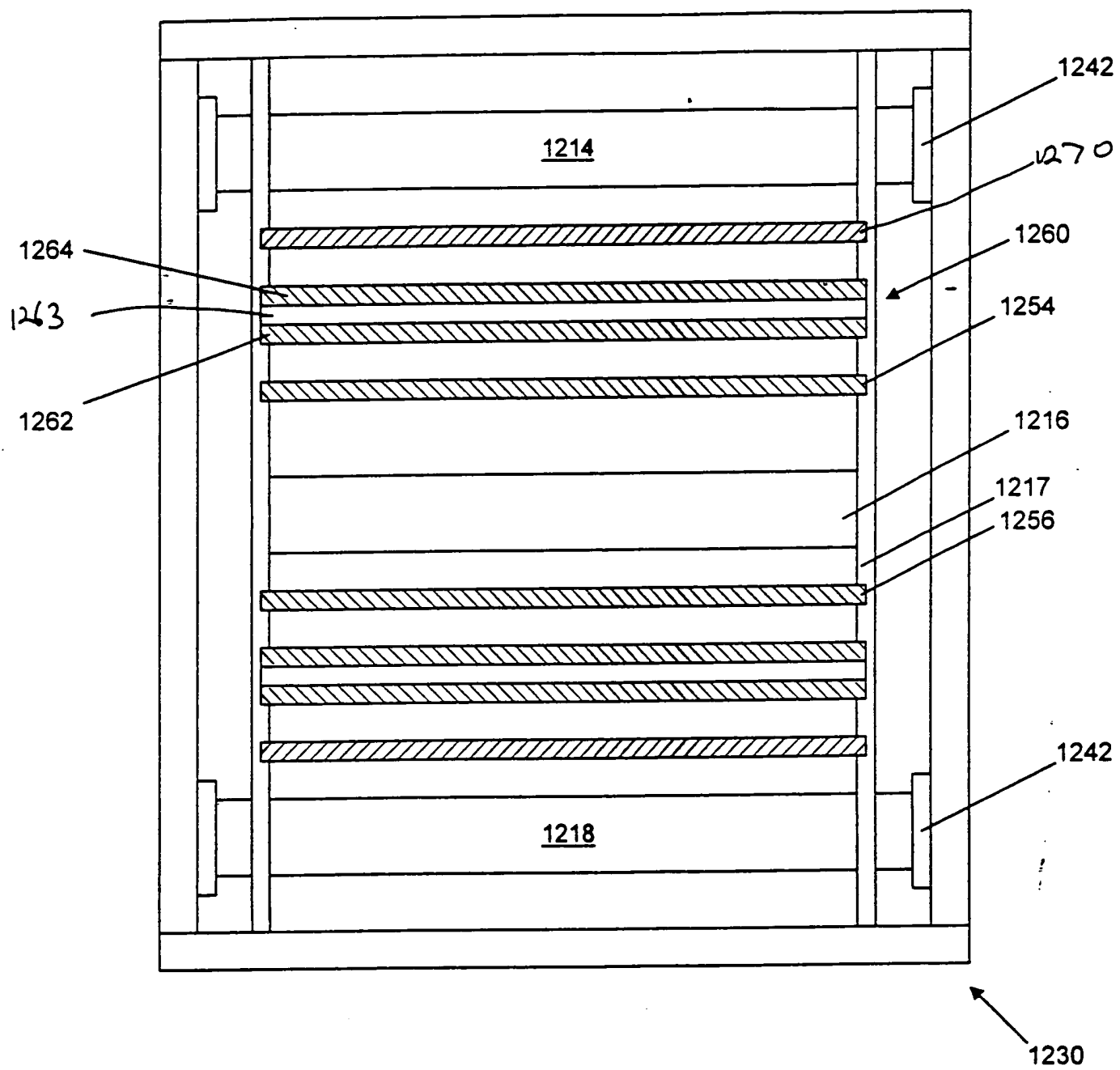


FIG. 25

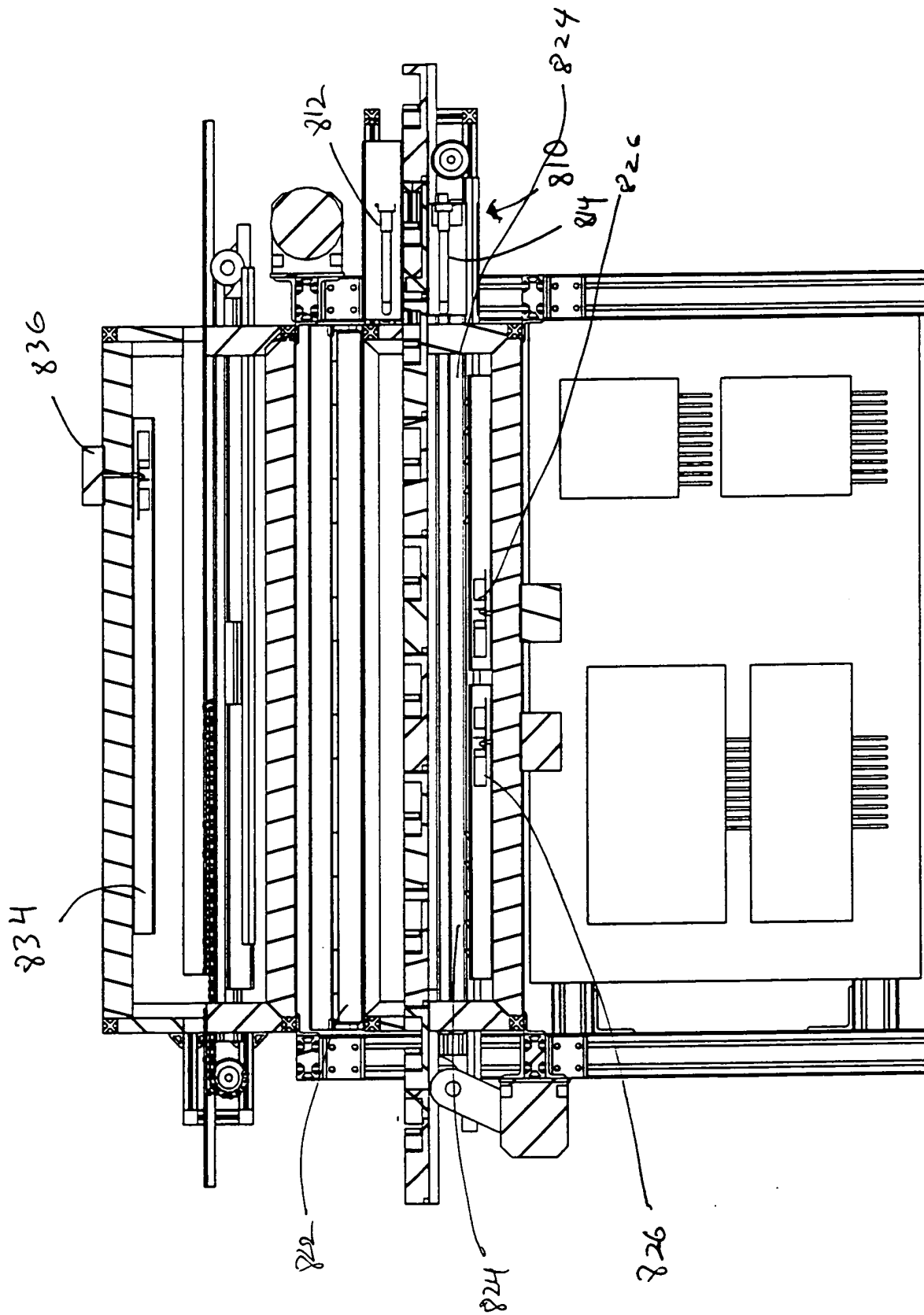


FIG 28

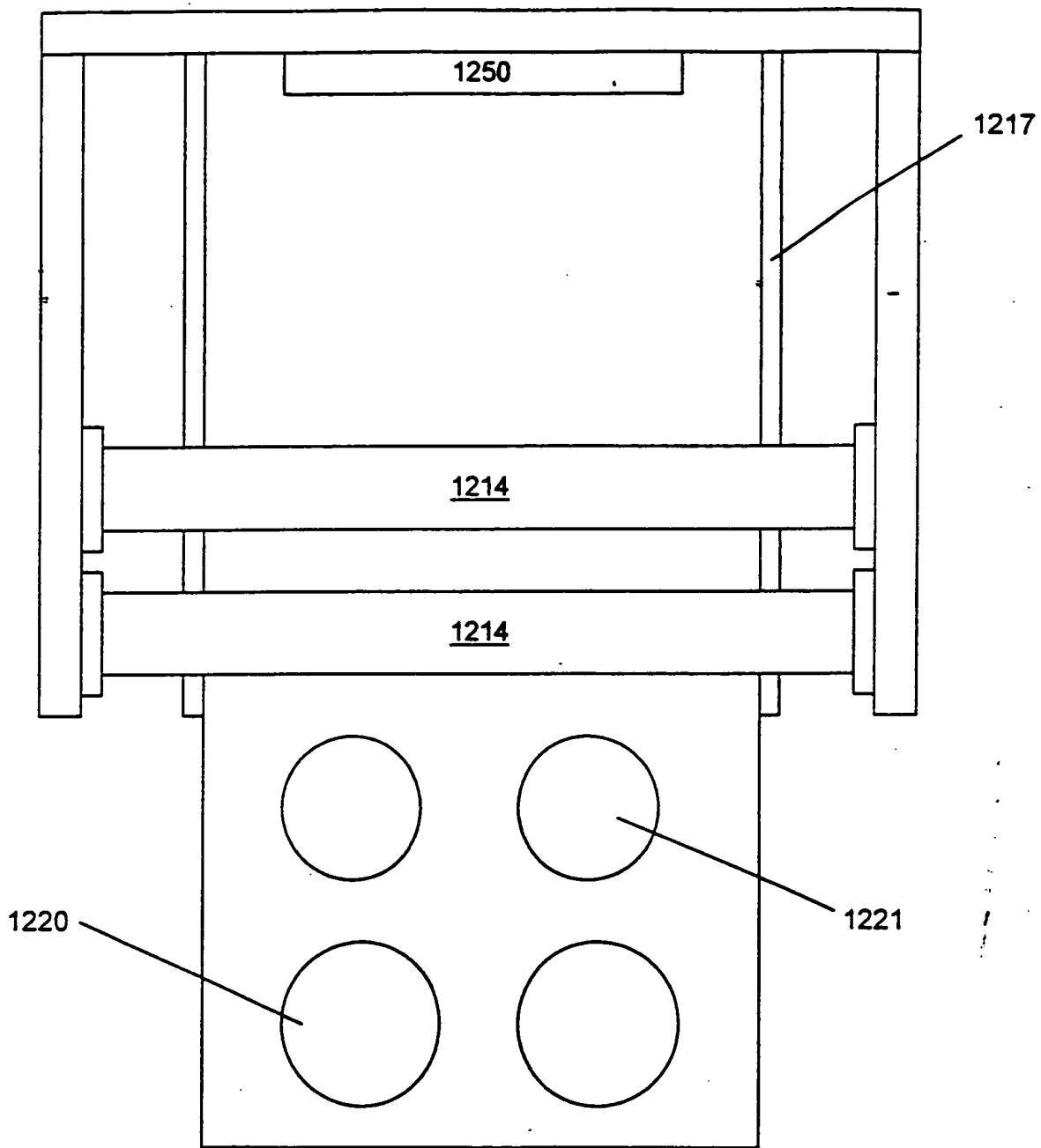


FIG. 26

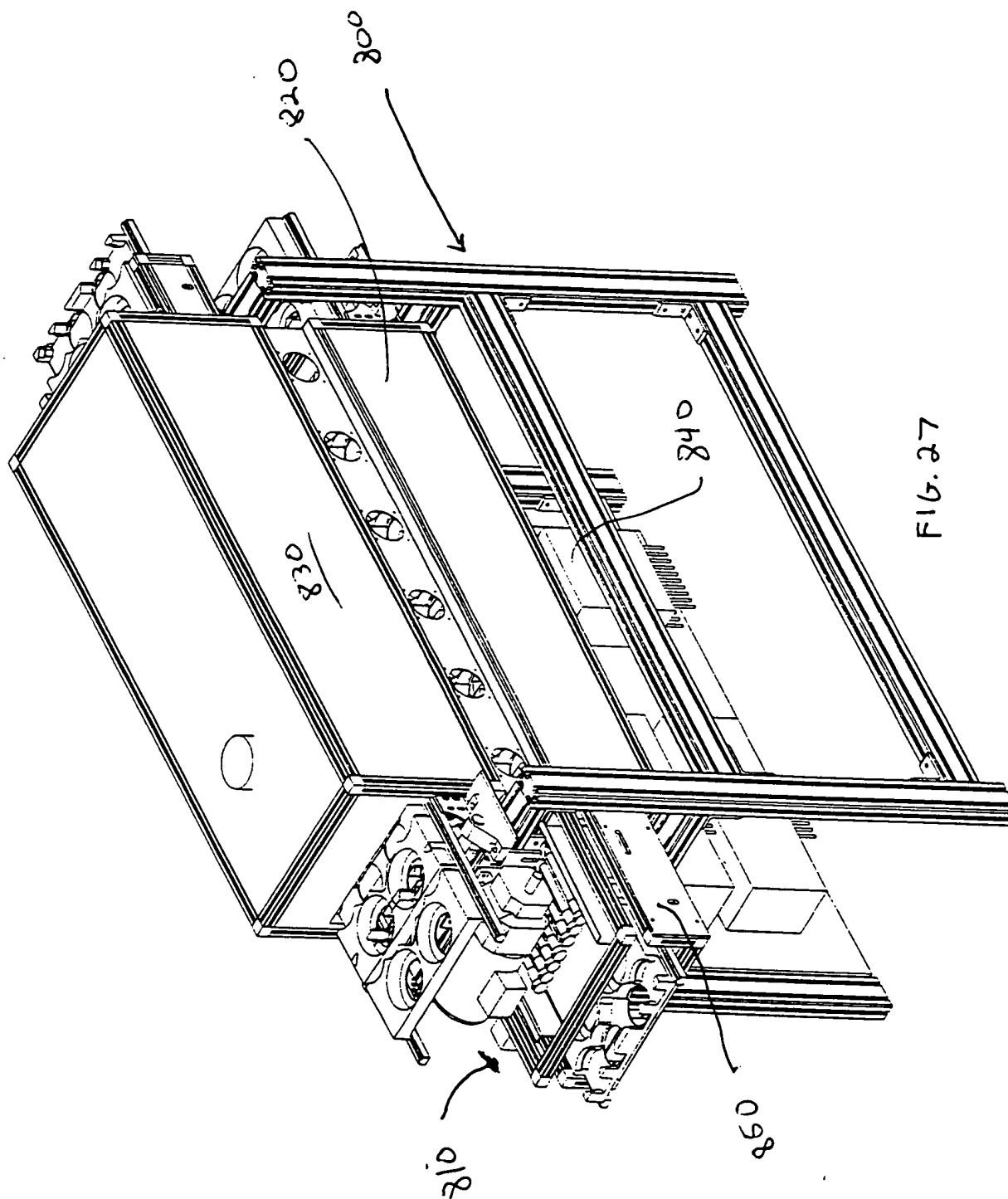


FIG. 27

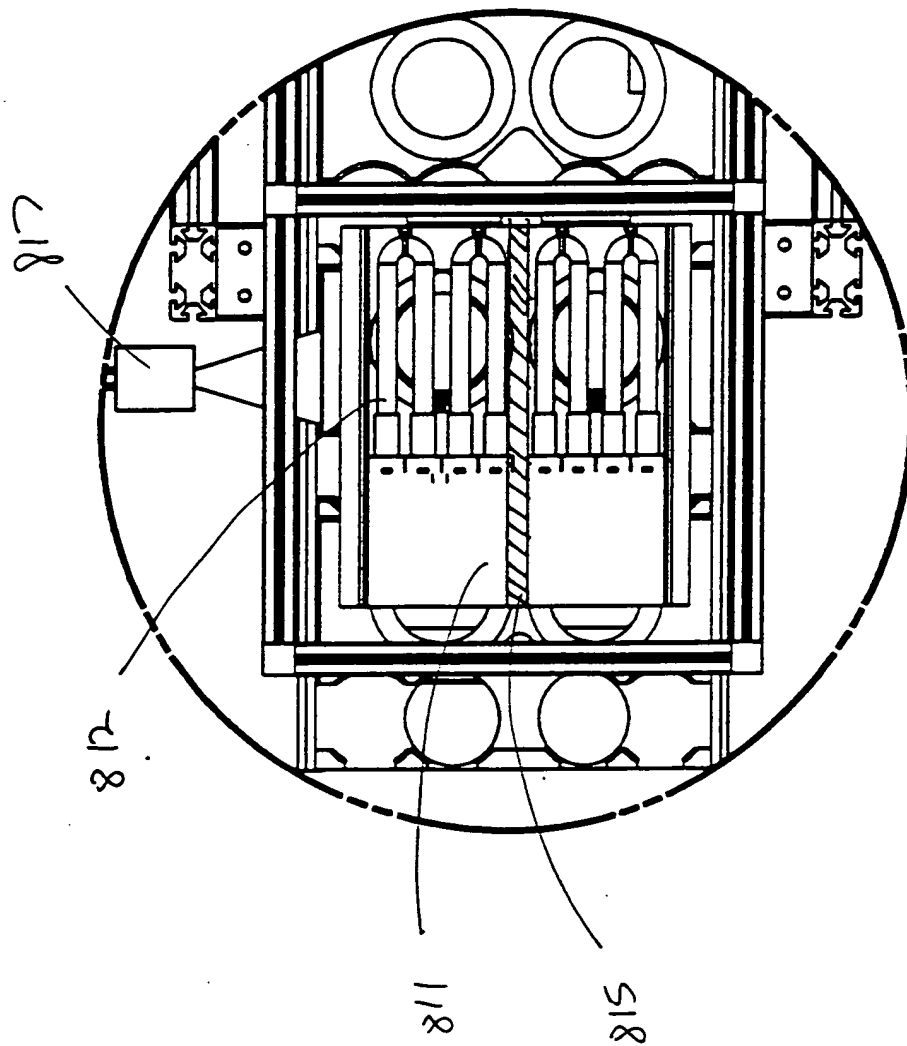


FIG. 29

FIG. 30 is a perspective view of the device 100 in a closed position, showing the top surface 110 and the bottom surface 120. The device 100 is a rectangular frame with a central opening 130. The top surface 110 is defined by a top edge 112 and a top surface 114. The bottom surface 120 is defined by a bottom edge 122 and a bottom surface 124. The central opening 130 is a rectangular opening in the center of the device 100. The device 100 is shown in a closed position, with the top surface 110 and the bottom surface 120 facing each other.

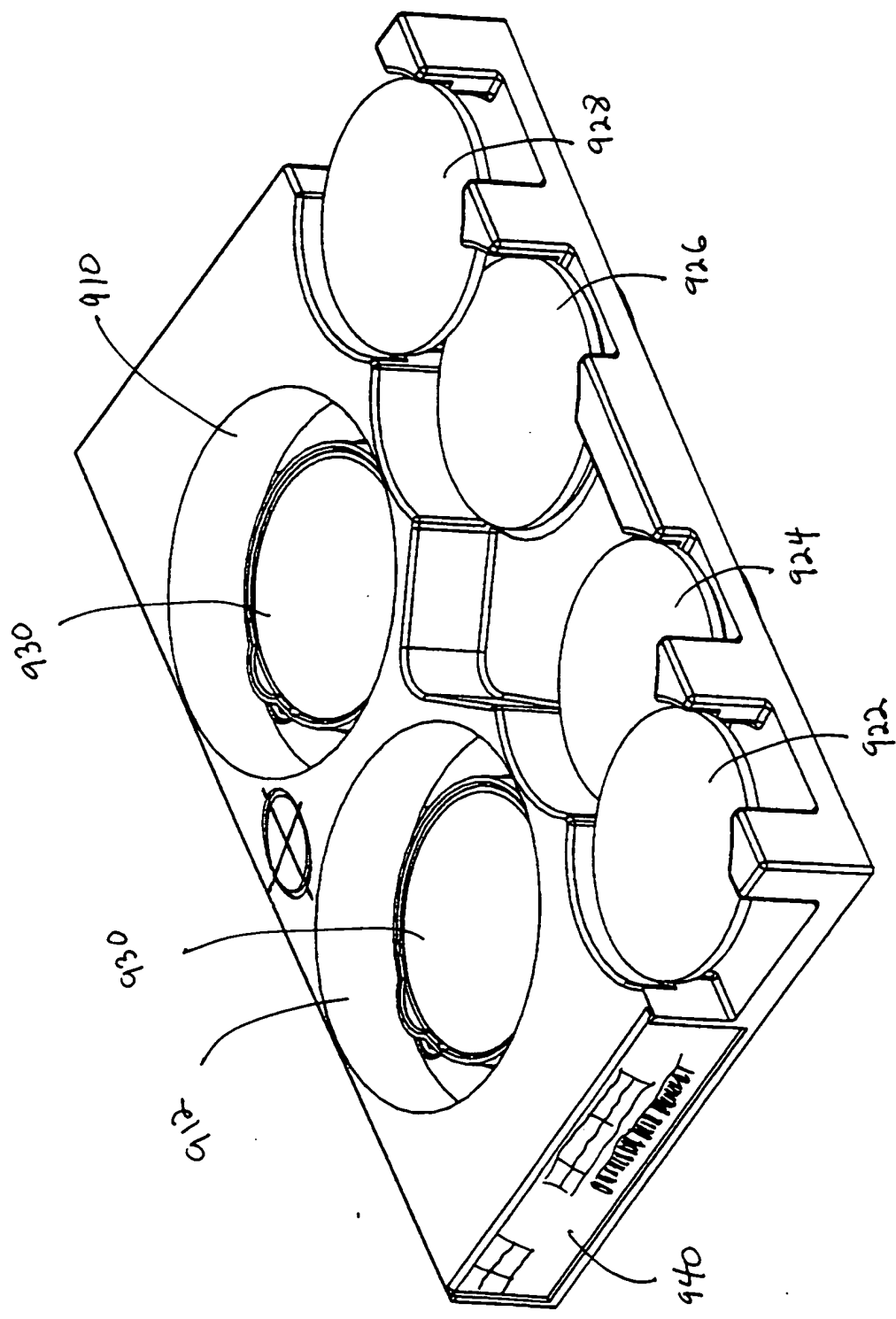


FIG. 30

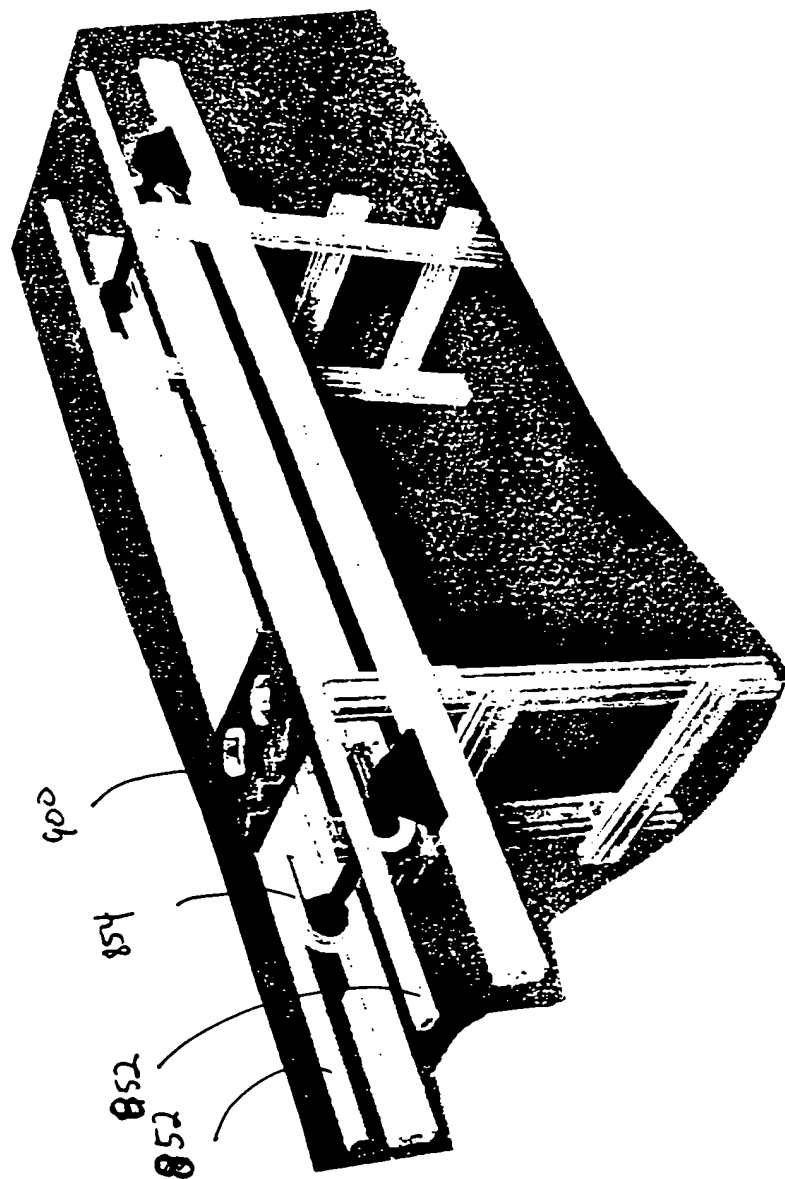


FIG. 31

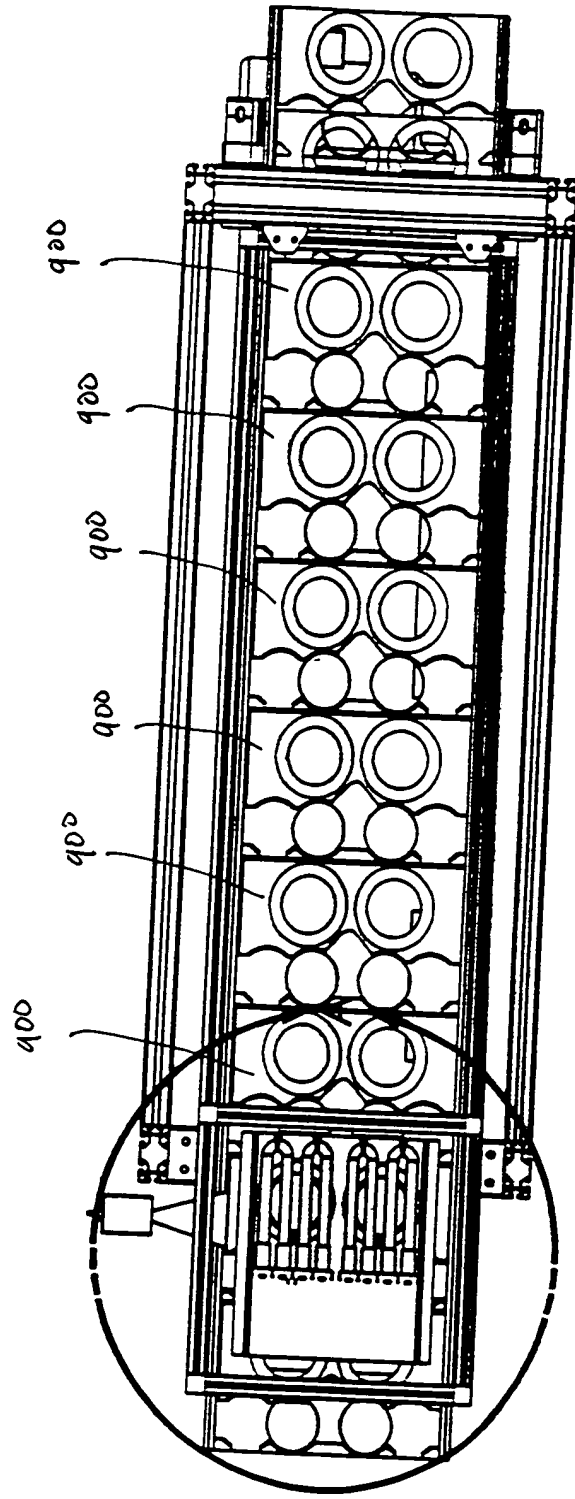


FIG. 32

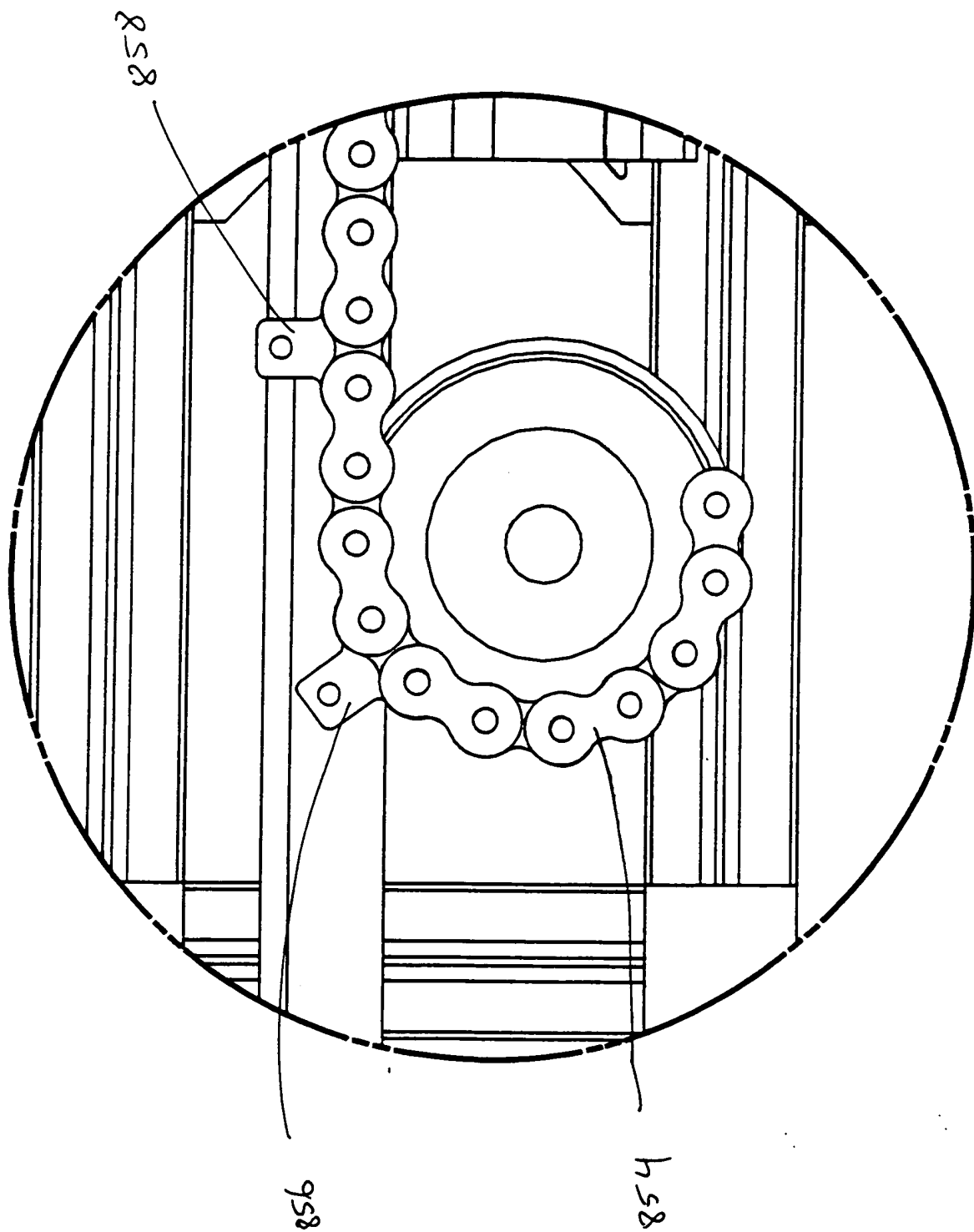


FIG. 33

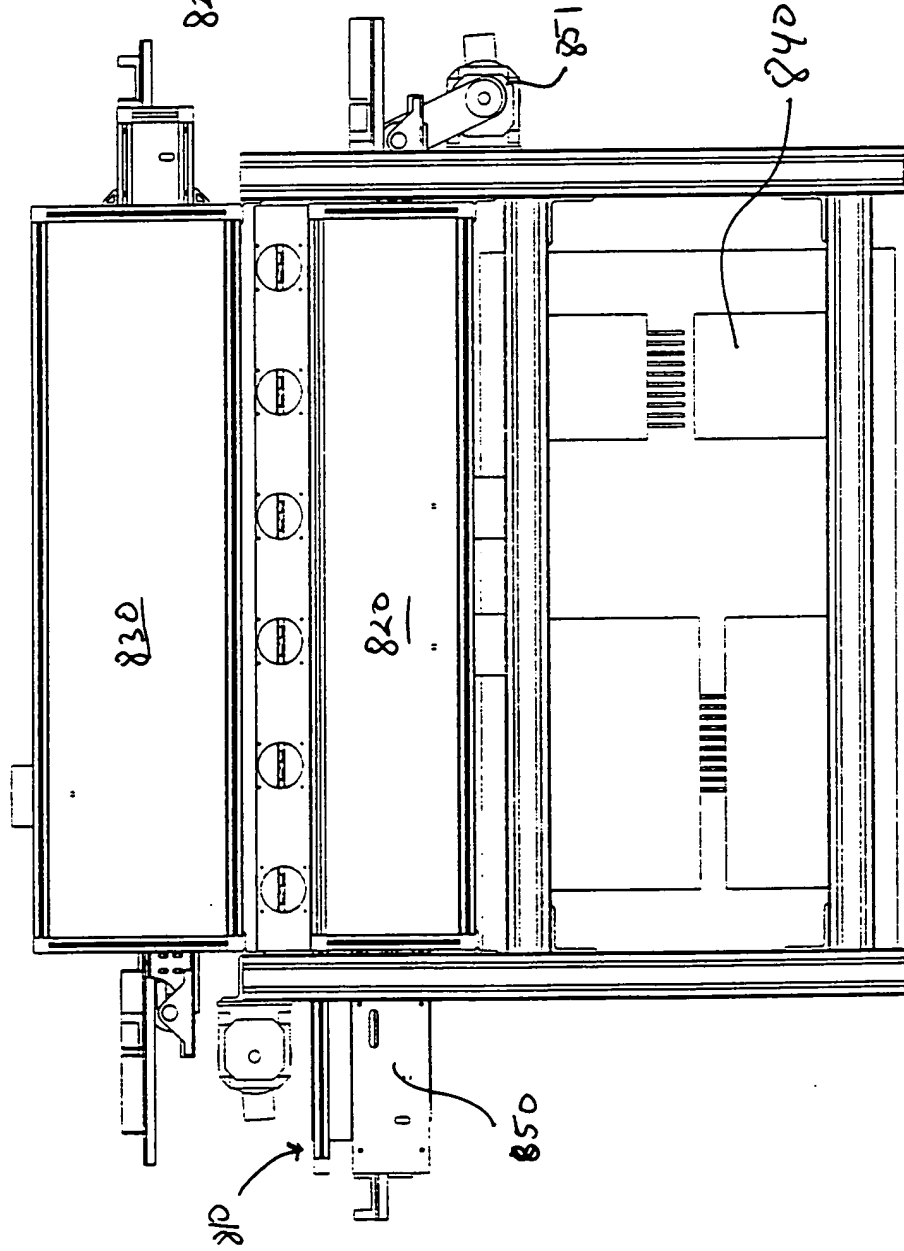


FIG. 34

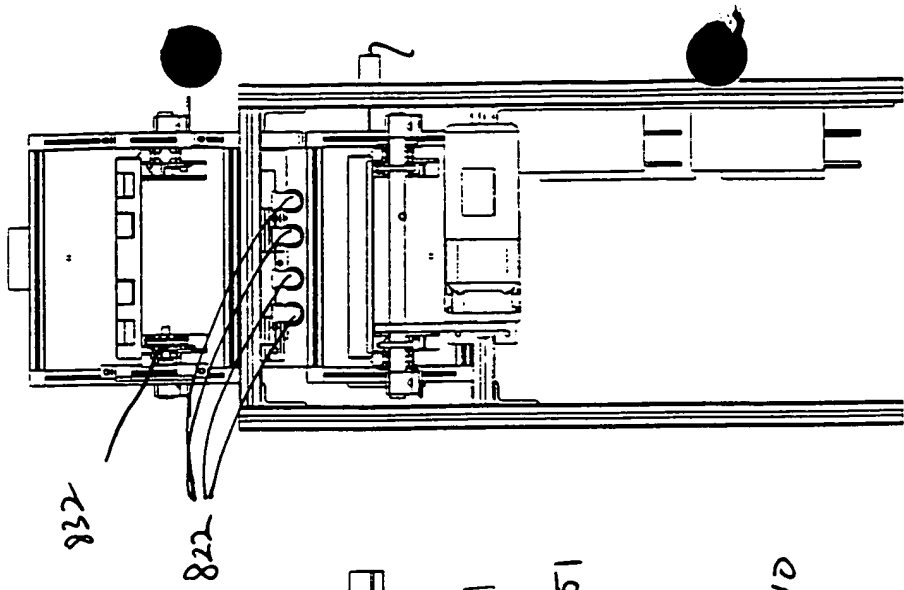


FIG. 35

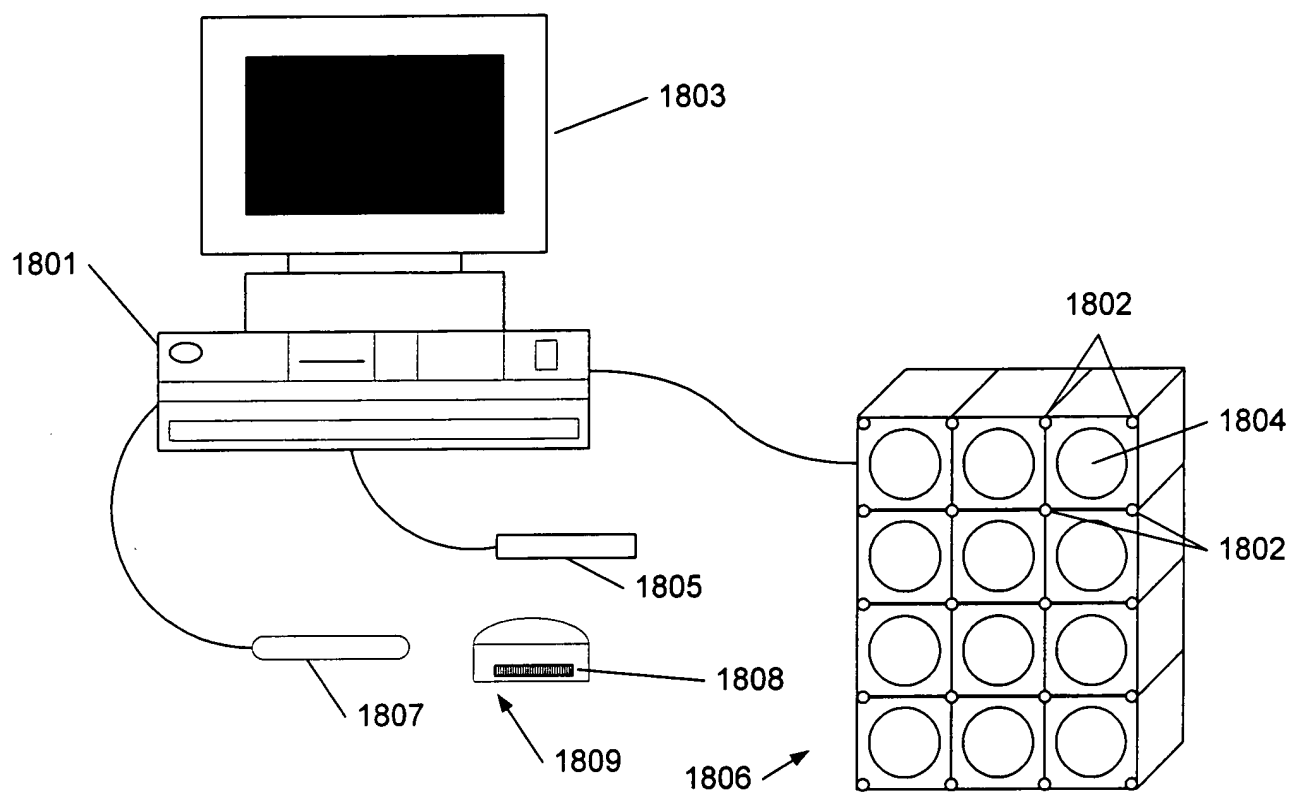
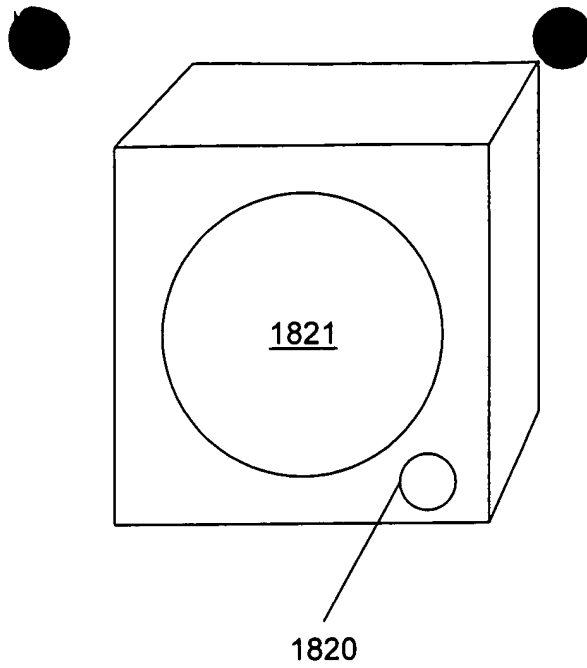
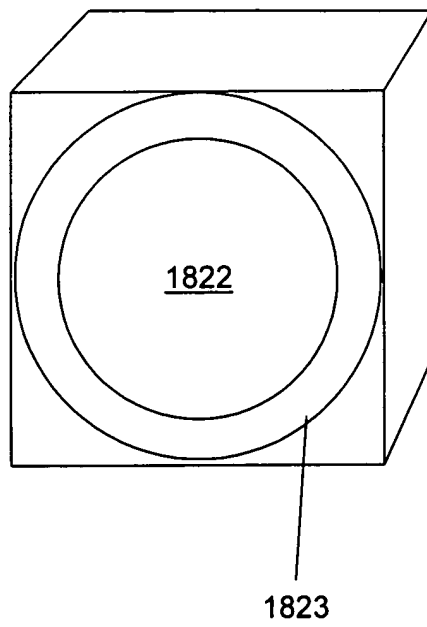


Fig.36



(a)



(b)

Fig. 37

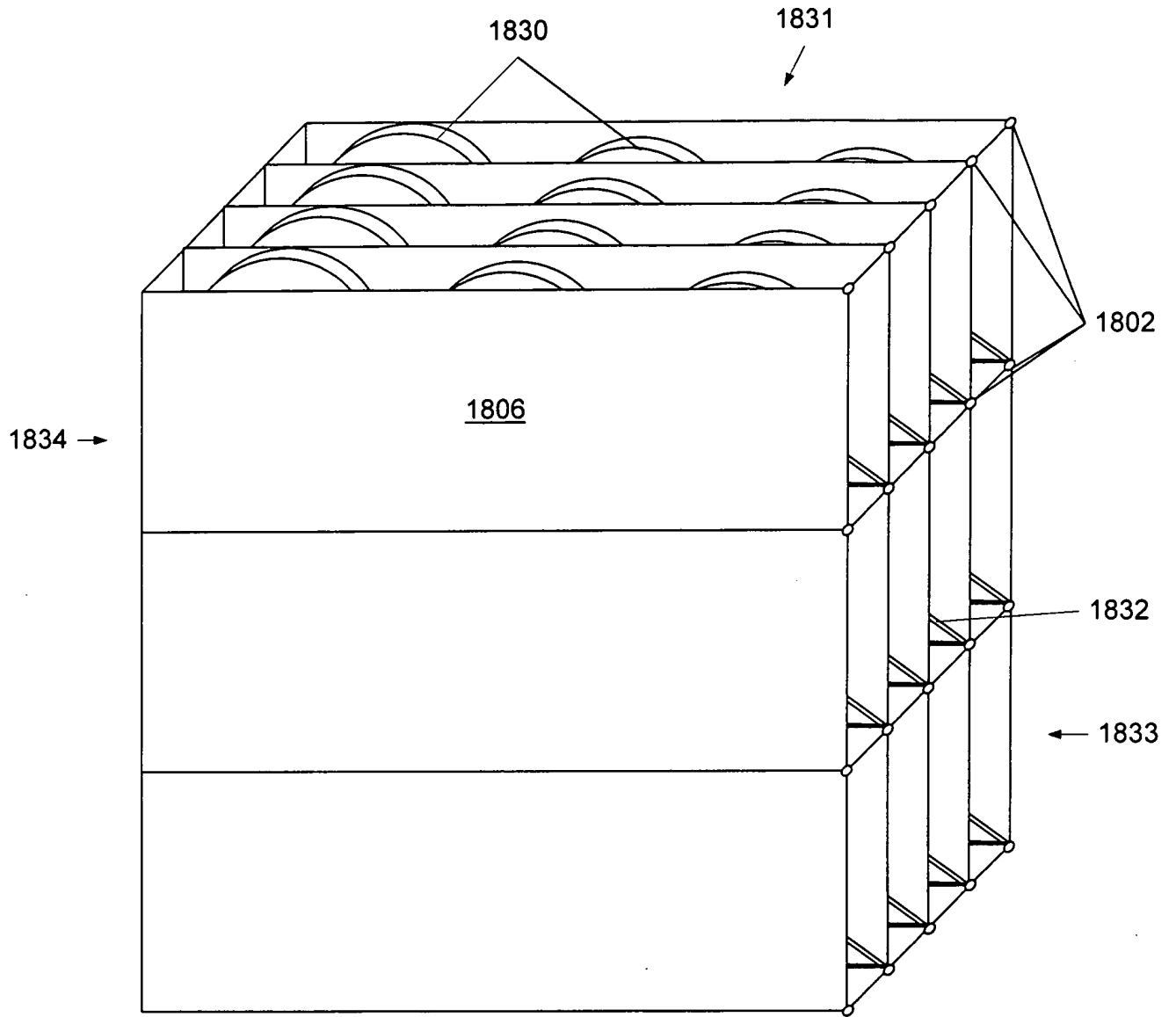


Fig. 38

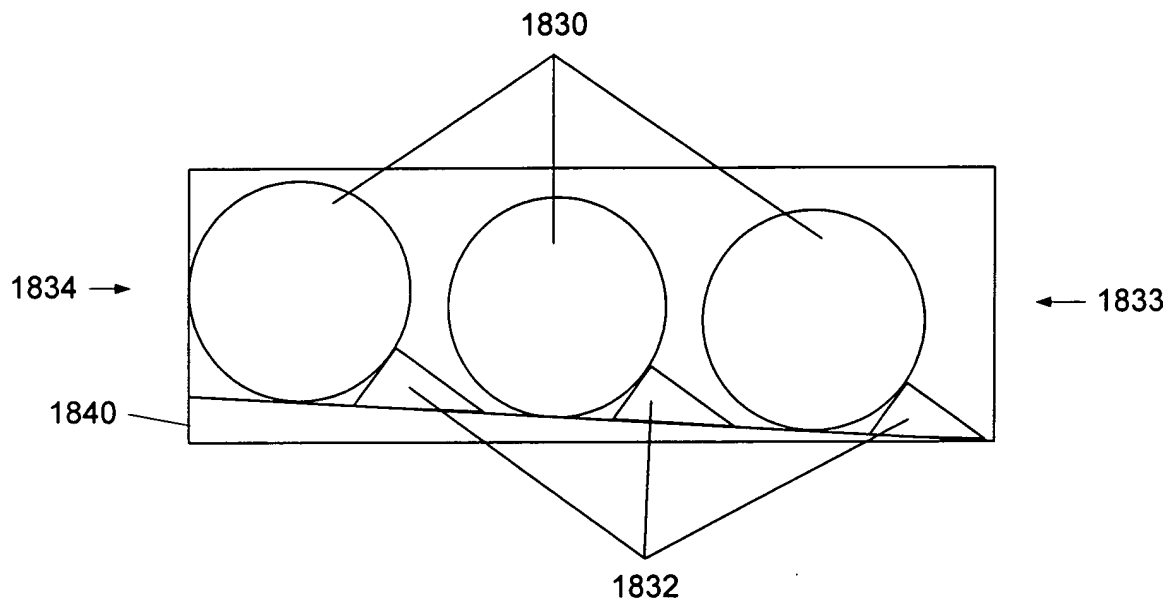


Fig. 39

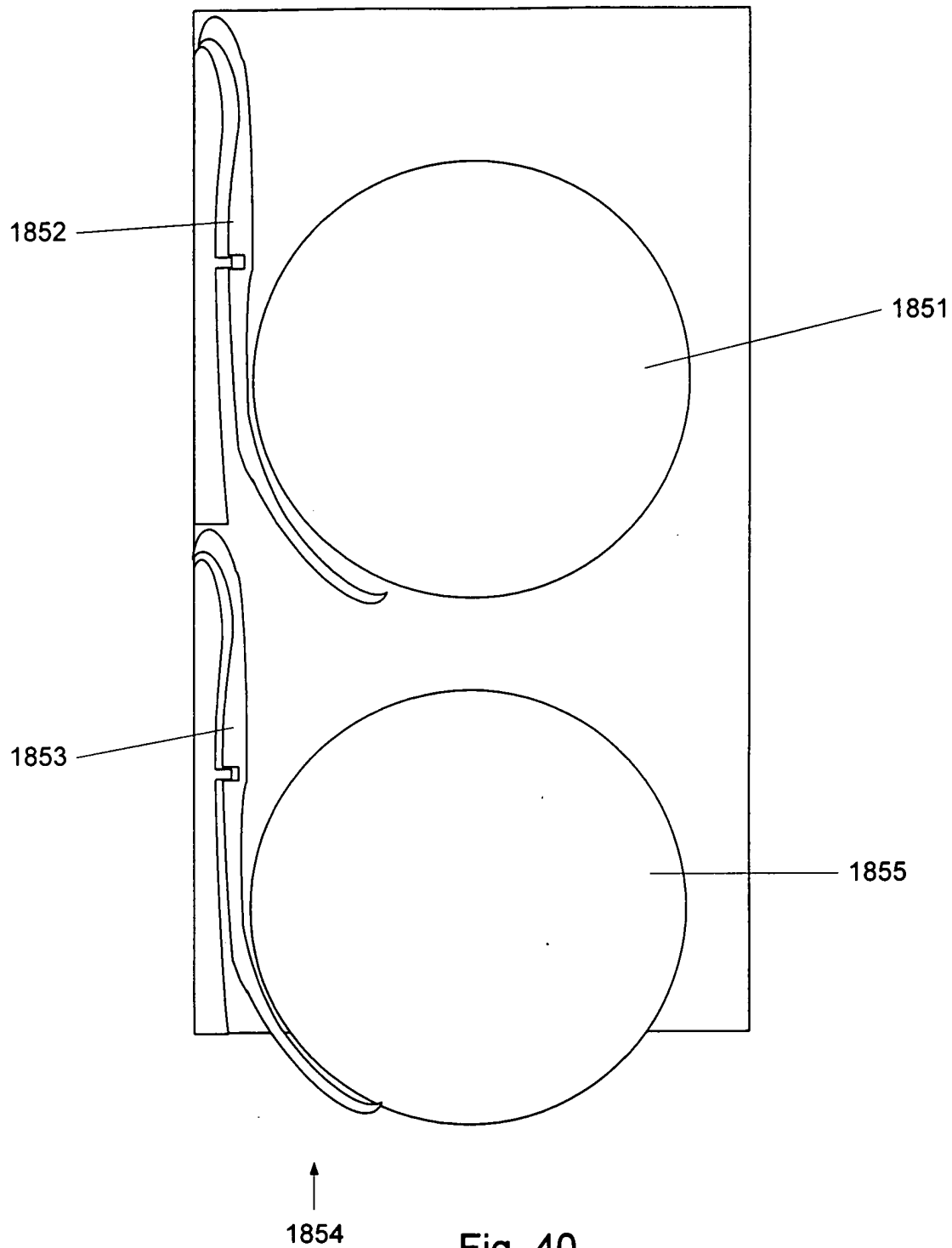


Fig. 40

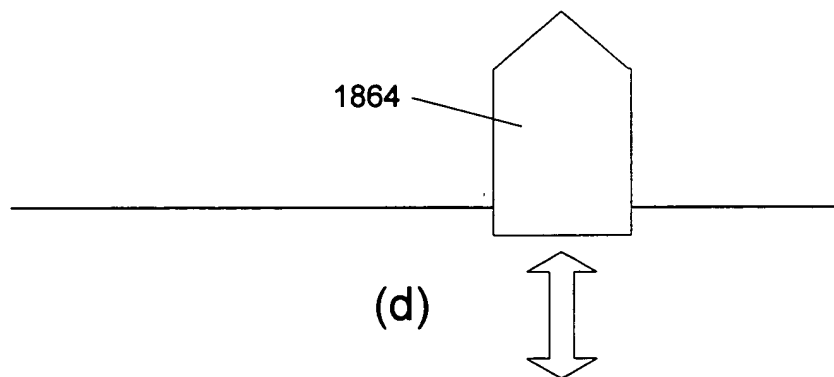
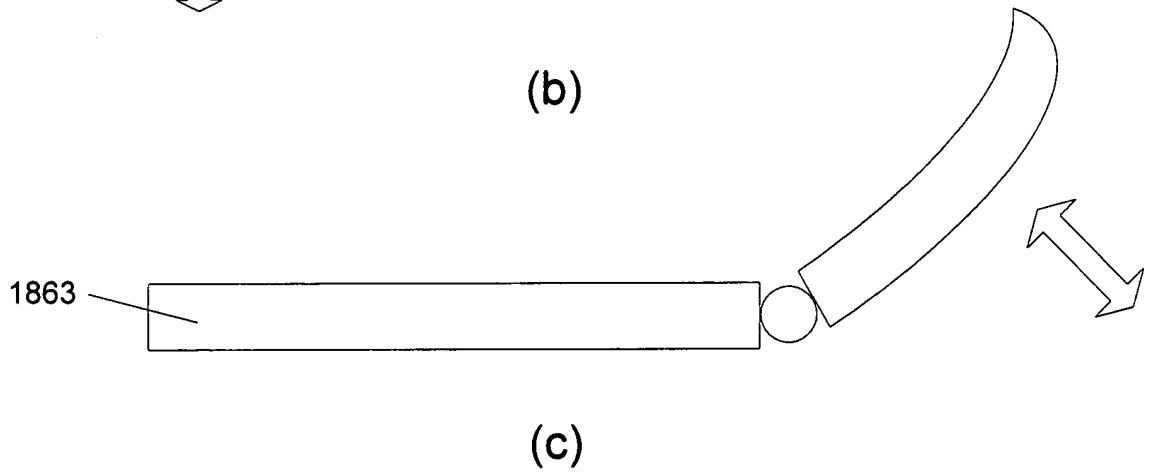
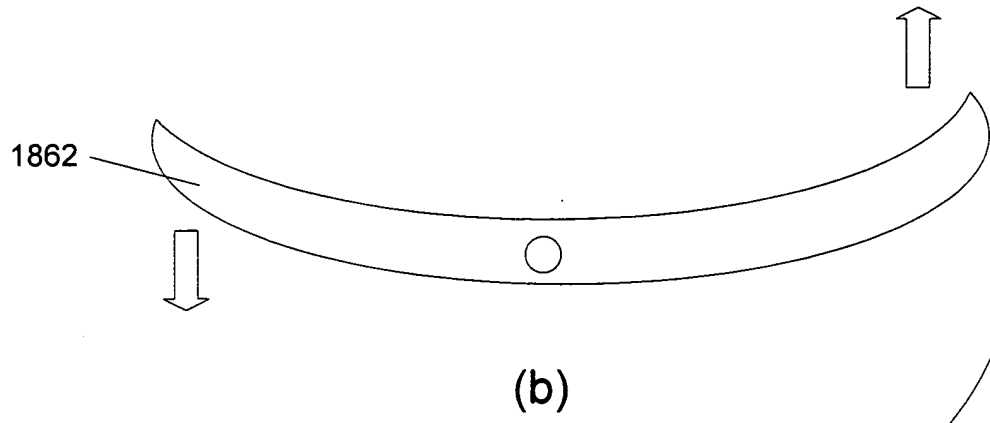
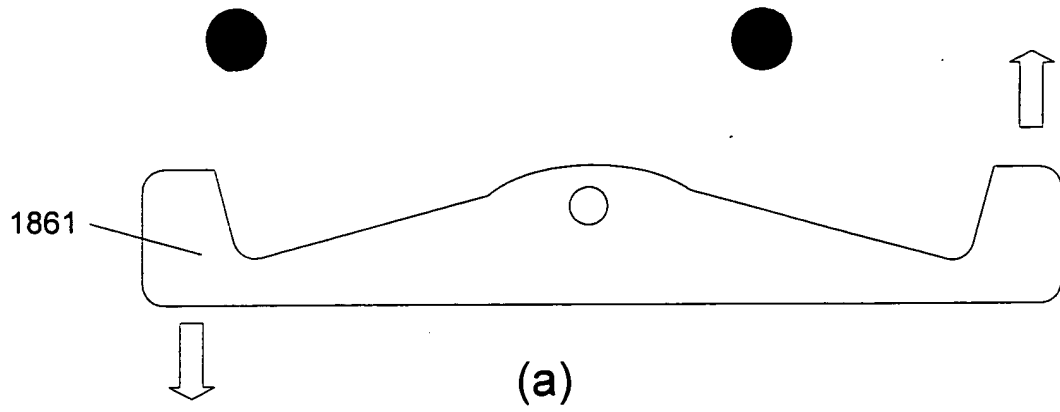


Fig. 41

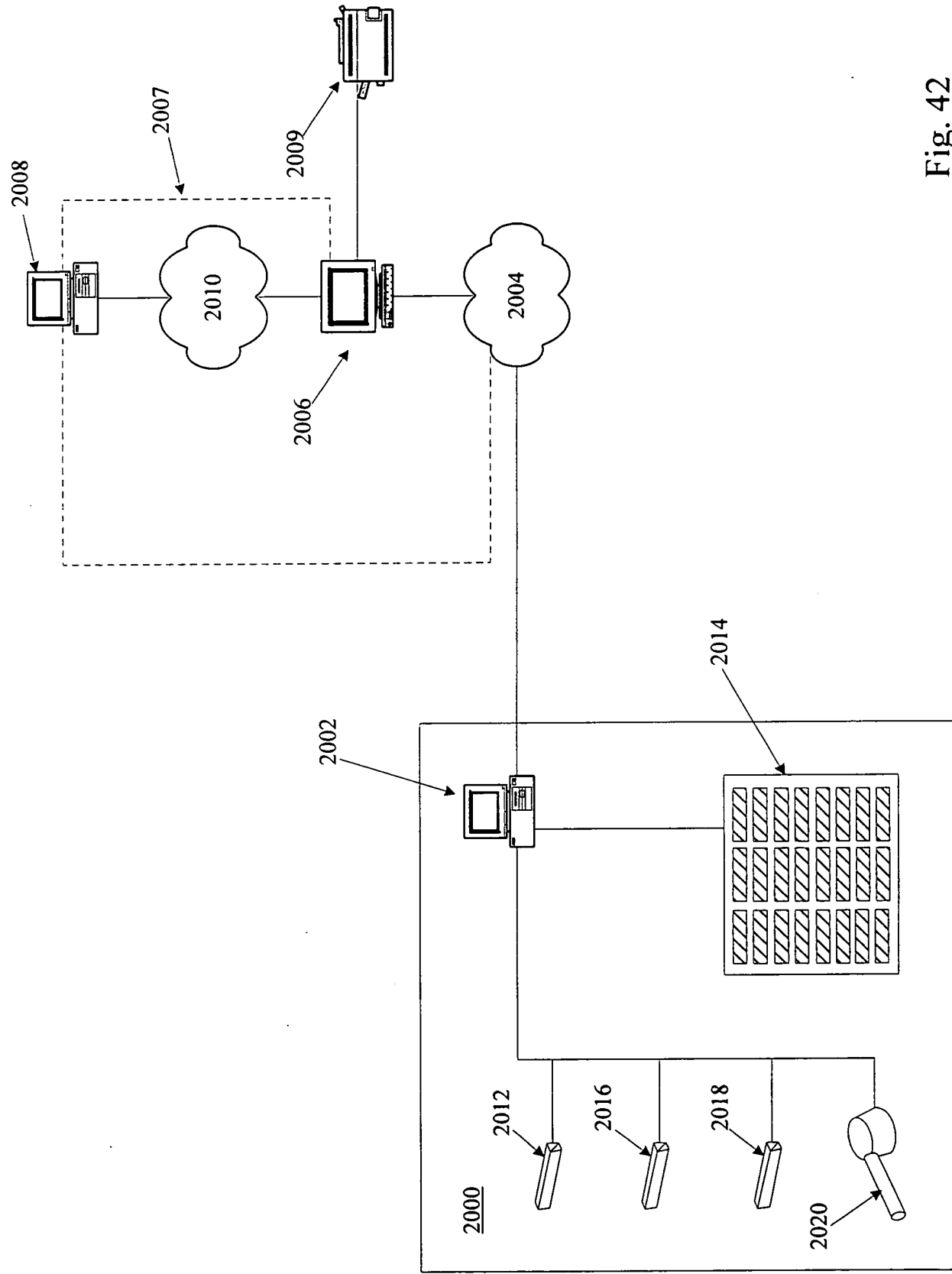


Fig. 42

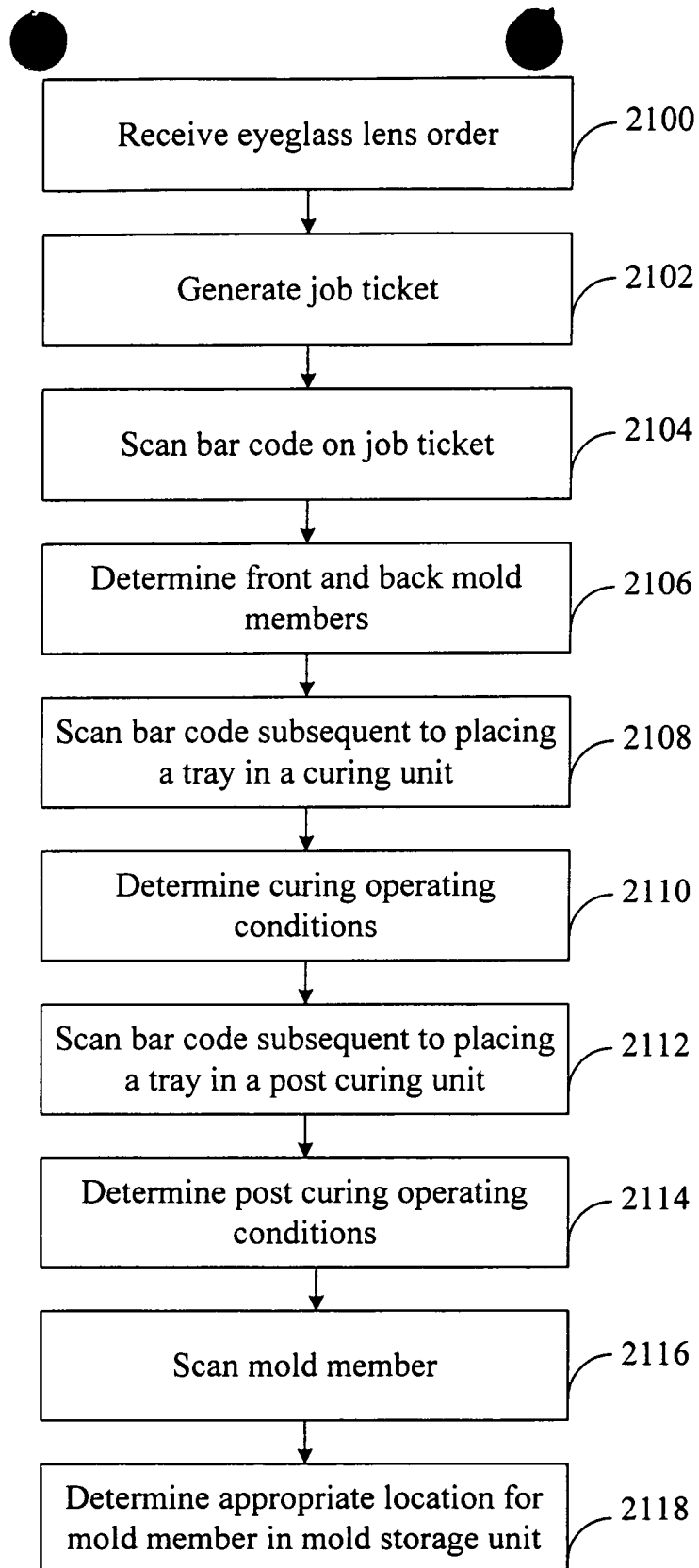


Fig. 43

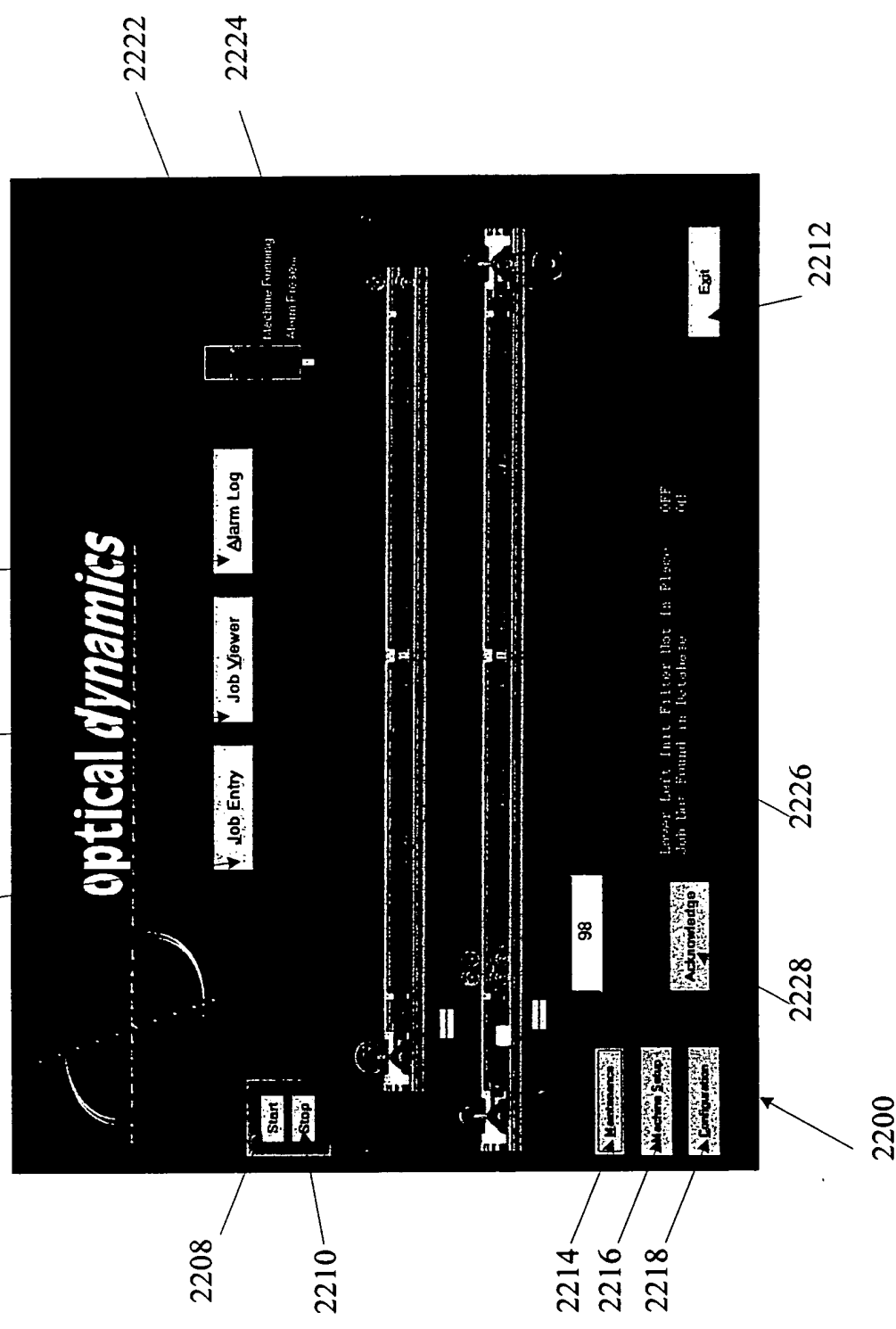


Fig. 44

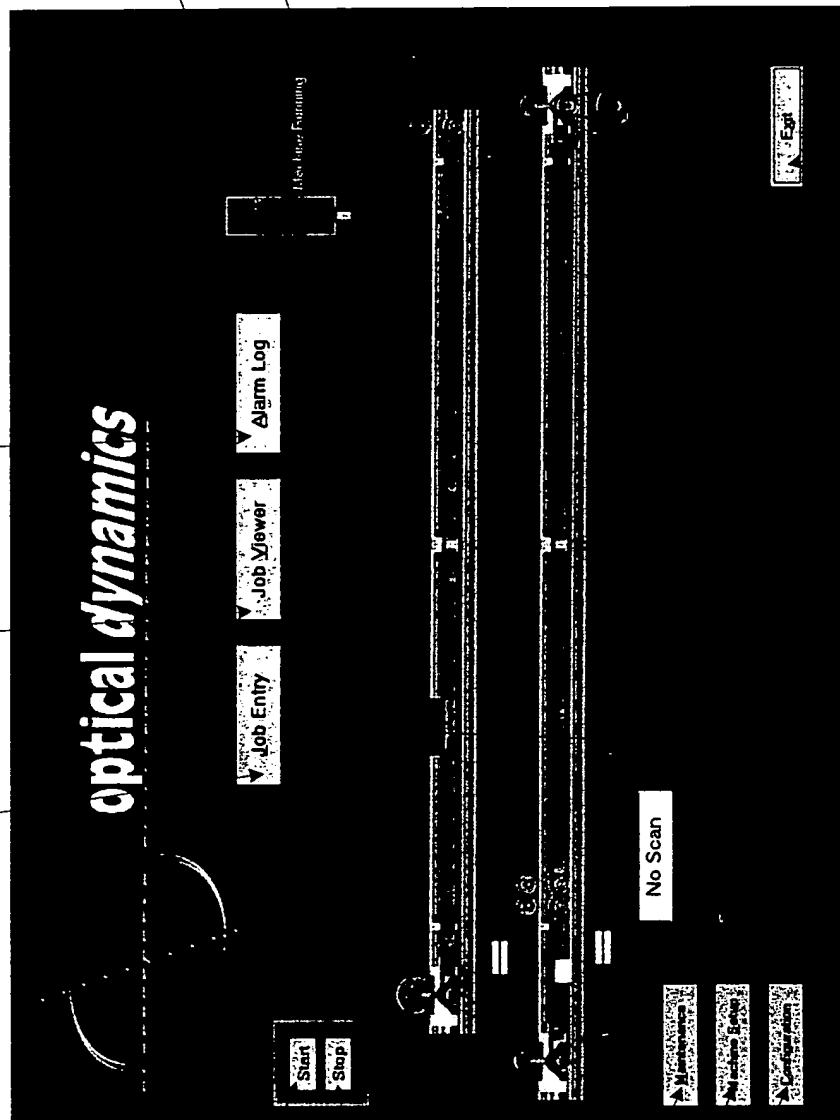


Fig. 45

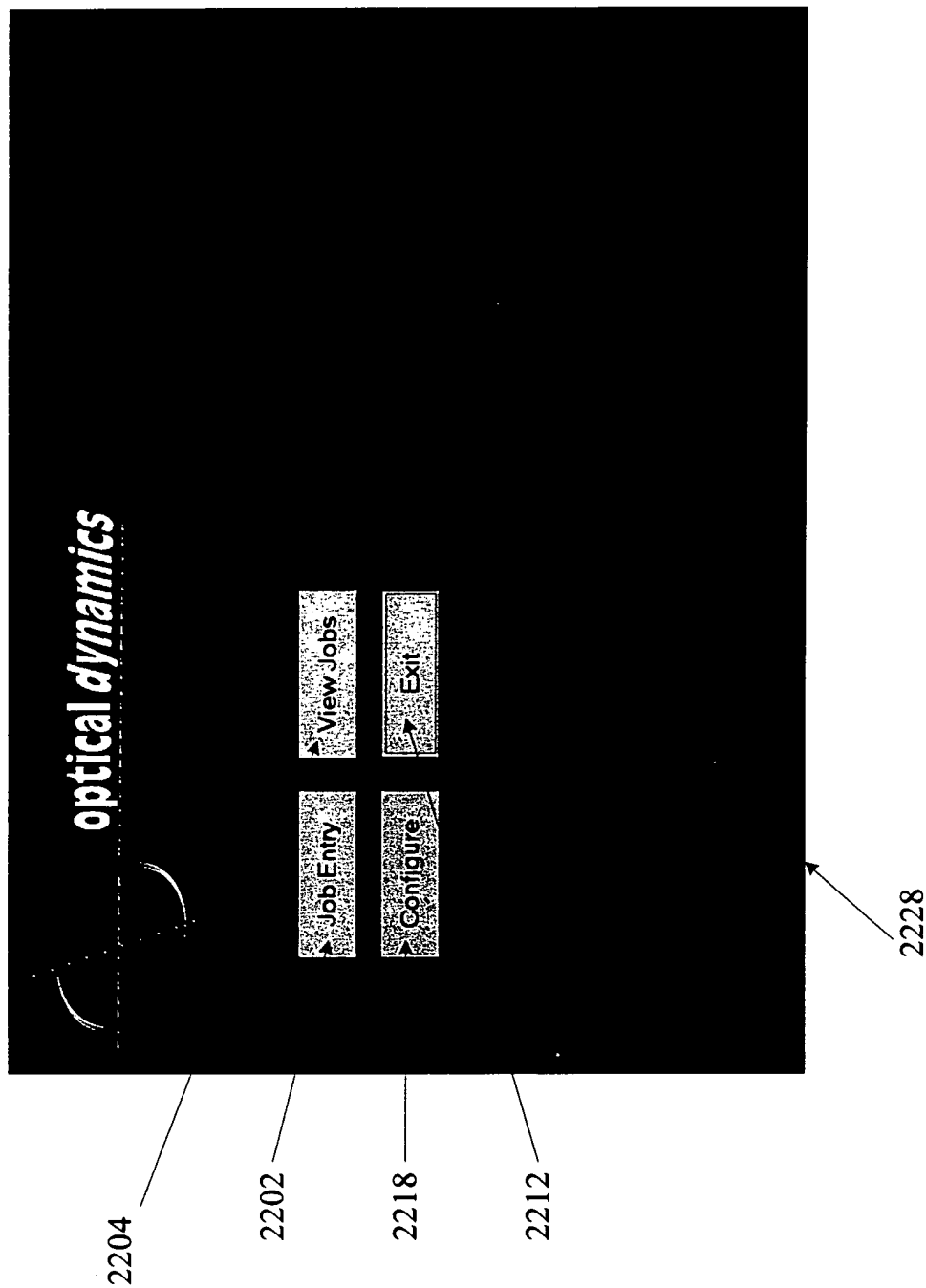


Fig. 46

Job Entry

Job # Patient Name 2232

Tray #

Bin Location

Priority
☐ Normal ☐ Re-Work

Job Type
☐ Right & Left Lens ☐ Right Lens Only ☐ Left Lens Only

Lens Type
☐ Aspheric - Single Vision ☐ Flat Top ☐ Paradigm Progressive

Monomer/Tint
☐ Clear ☐ Clear w/ Tint ☐ Grey

Right Eye
Sphere Cylinder

Left Eye
Sphere Cylinder

2234 2236

2238 2240

2230

Cancel Entry Create Job

Fig. 47

FIG. 48 is a screenshot of a computer screen displaying a "Job Viewer" window. The window contains a form for entering patient information and lens specifications. The form is divided into several sections: "Patient" (Name, Entry Date, Lens Type, Monomer), "Rx" (Left/Right Power, Cylinder, Axis, Add), and "Molds" (Front/Back, Gasket, Filter, Recipe). There are also buttons for "Re-Print" and "Close". The window title bar is labeled "Job Viewer".

Job Viewer

LMS Job #

Patient

LMS Tray #

Entry Date

Bin Location

Lens Type

Monomer

Rx

Left

Right

Power

Cylinder

Axis

Add

Molds

Front

Back

Gasket

Filter

Recipe

Transposed

Re-Print

Close

Fig. 48

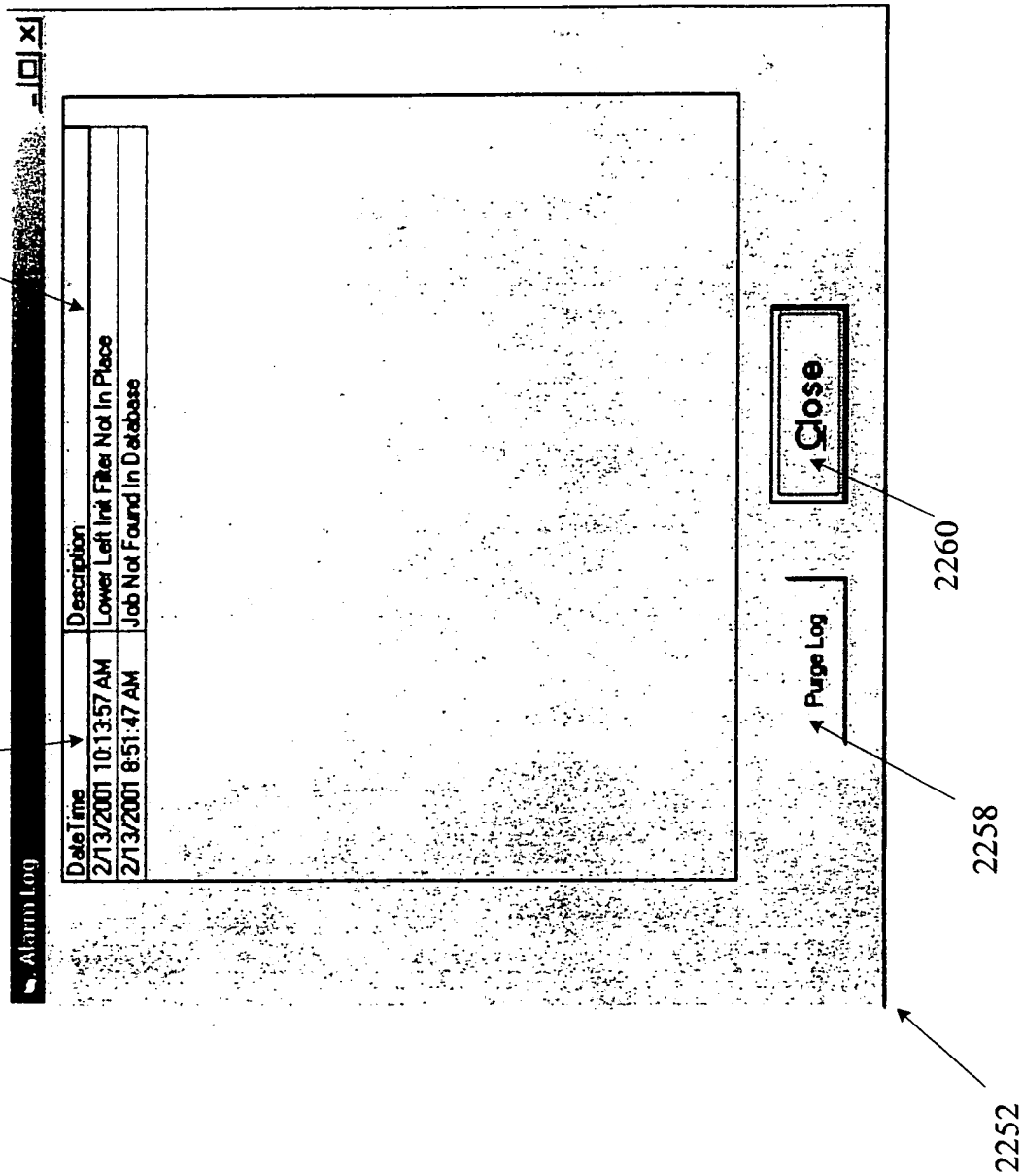


Fig. 49

2264

Maintenance

Temperatures

Post-Cure Chamber 195.3

Anneal Chamber 217.4

On Time (min) 289.93
% 26.69

Reset

On Time (min) 254.73
% 23.45

Reset

Current Draws

Upper Left Init Lights 0.00

Upper Right Init Lights 0.00

Lower Left Init Lights 0.00

Lower Right Init Lights 0.00

Rear Post-Cure Lights 4.60

Front Post-Cure Lights 3.62

Digital Inputs, Slot 3

Start PushButton
Stop PushButton
Anneal Conv Encoder
Top Lft Filtr In Prox
Top Rgt Filtr In Prox
Bot Lft Filtr In Prox
Bot Rgt Filtr In Prox
Top Lft Filtr Out Prox
Top Rgt Filtr Out Prox
Bot Lft Filtr Out Prox
Bot Rgt Filtr Out Prox
Air Pressure OK
Bot HiTemp Sens OK
Top HiTemp Sens OK
Init Conv Encoder
Post-Cure Conv Encoder

Digital Inputs, Slot 4

Front Post-Cure Lgt Filtr
Rear Post-Cure Lgt Filtr
Init Drv IOC Filtr
Post-Cure Drv IOC Filtr
Anneal Drv IOC Filtr
Tray Clear @ Xfer PE
Post-Cure FanOvrid OK
Anneal FanOvrid OK
Init Drv Ovrid OK
Anneal Drv Ovrid OK
Post-Cure DrvOvrid OK
Post-Cure Drive Alarm
Init Drive Alarm
Anneal Drive Alarm
Bot Tray Present PE
Top Tray Present PE

Digital Inputs, Slot 5

E-Stop #1
E-Stop #2
Spare
Spare
Spare
Spare
Spare
Lft Wait Cyl Ext'd
Lft Wait Cyl Ret'd
Rgt Wait Cyl Ext'd
Rgt Wait Cyl Ret'd
Lft Init Cyl Ext'd
Lft Init Cyl Ret'd
Rgt Init Cyl Ext'd
Rgt Init Cyl Ret'd

Lamp Life Remaining

Top Init

499.77

Bot Init

499.90

Post-Cure

493.70

More

Close

2266

2262

2270

2268

Fig. 50

Machine Setup

Anneal Conveyor

High Temp Alarm Limit

Temperature Setpoint

Low Temp Alarm Limit

Post-Cure Conveyor

High Temp Alarm Limit

Temperature Setpoint

Low Temp Alarm Limit

Initialization Lights

High Current Alarm Limit

Low Current Alarm Limit

No Scan Upper Init Time

No Scan Lower Init Time

No Scan Filter Select ☐

Post-Cure Lights

High Current Alarm Limit

Low Current Alarm Limit

Lamp Maintenance

Replaced Top Init Lamps ☐

Replaced Bot Init Lamps ☐

Replaced Post-Cure Lamps ☐

Save Changes **Cancel Changes**

2274

2272

2278

2280

2276

Fig. 51

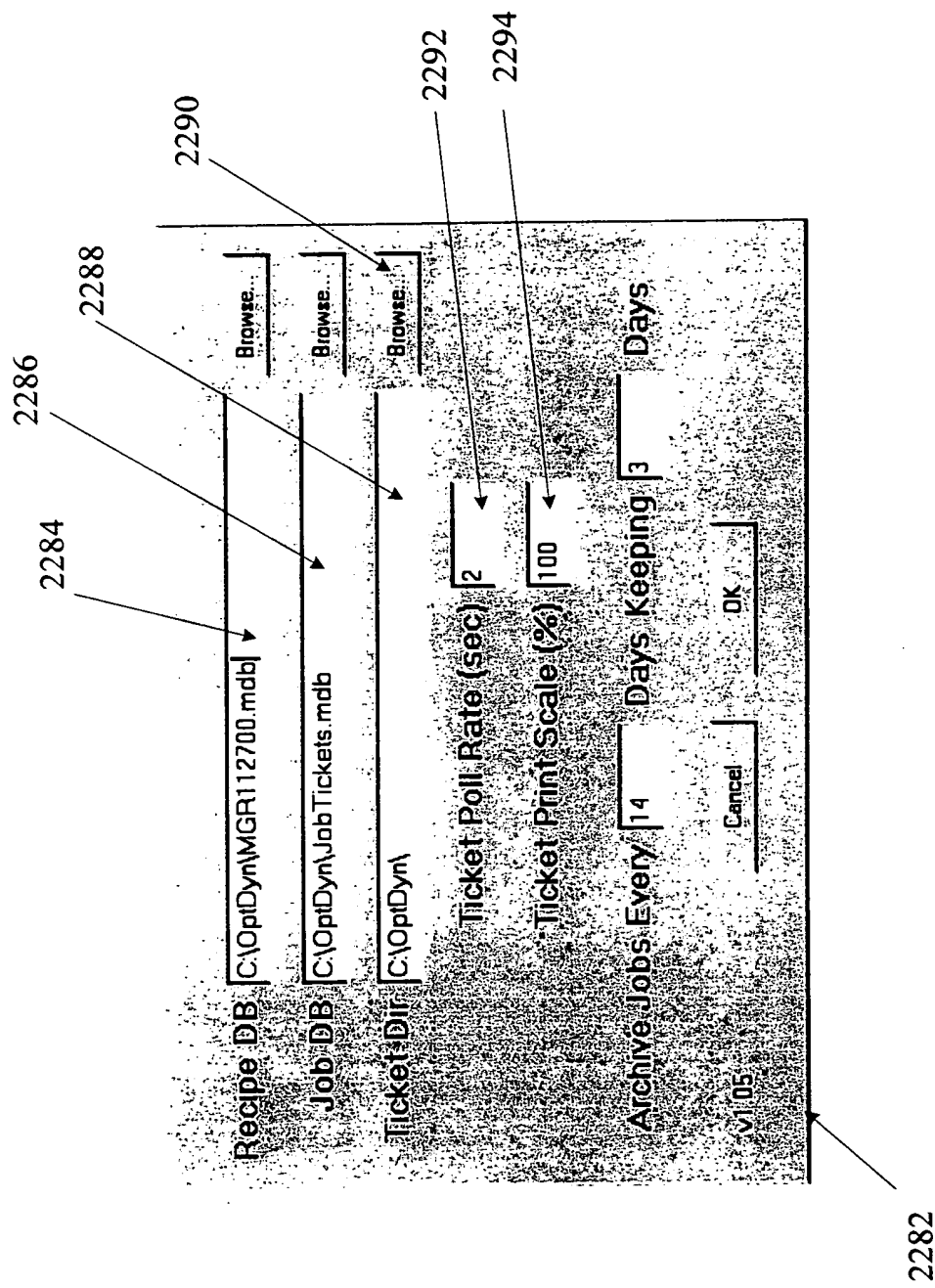


Fig. 52

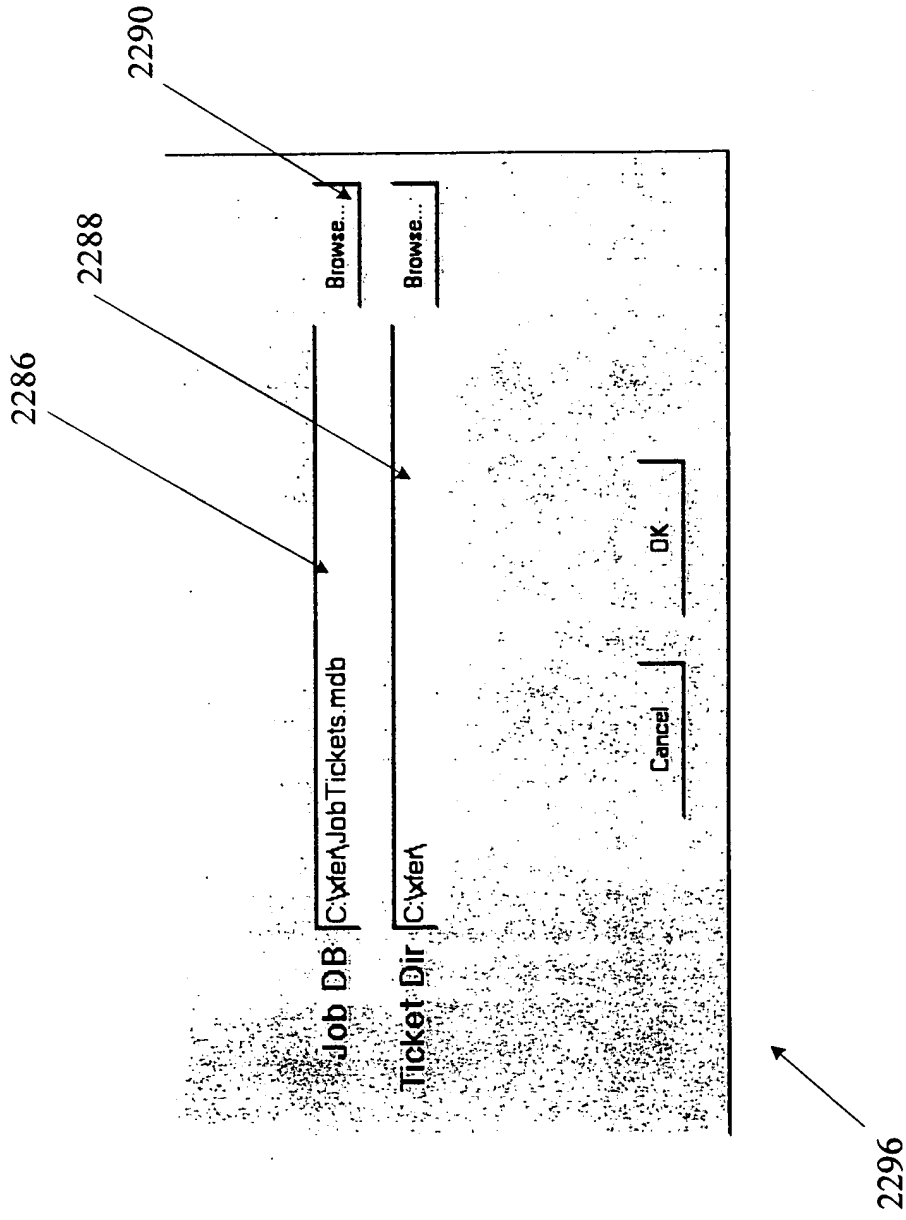


Fig. 53